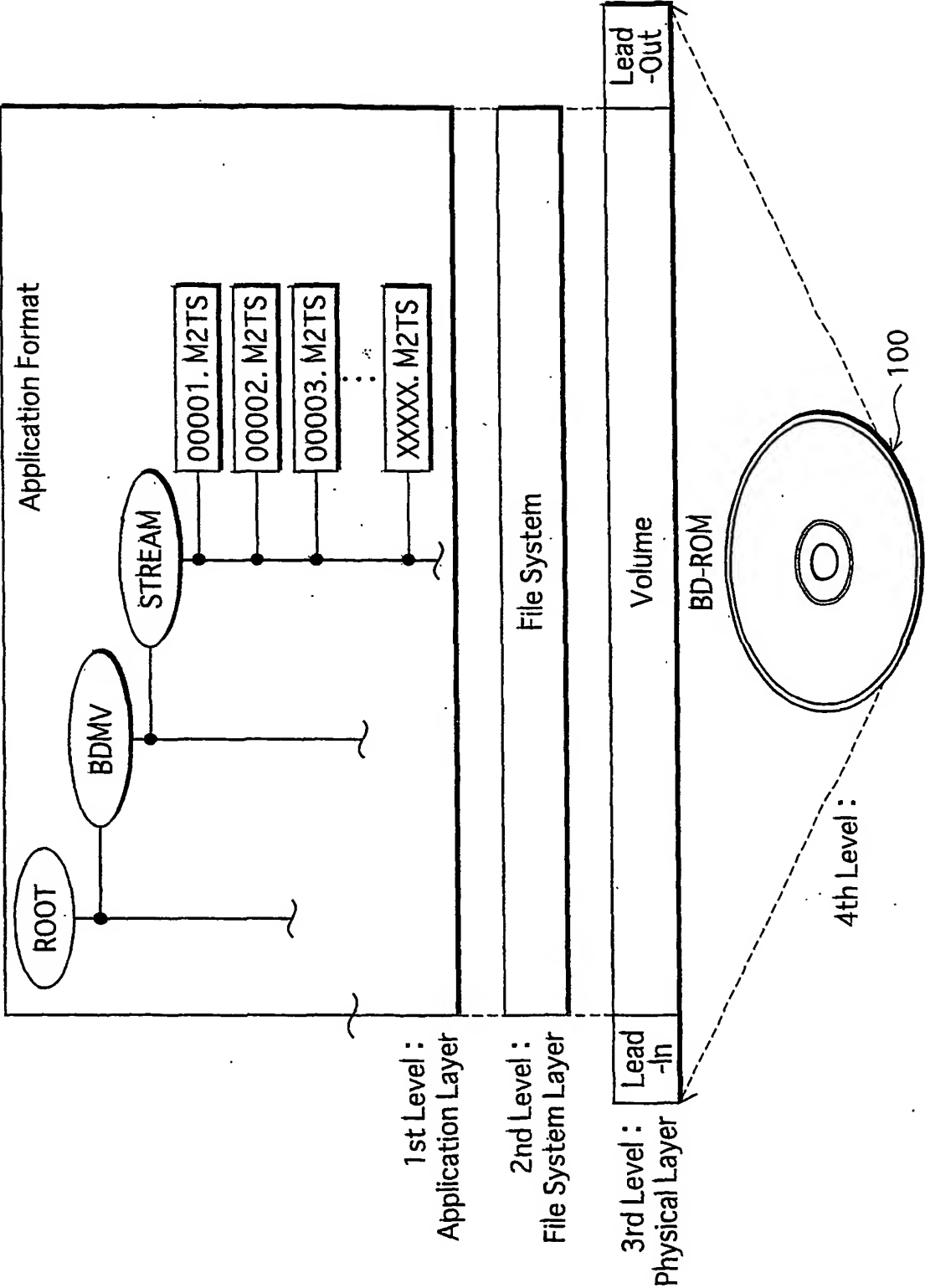
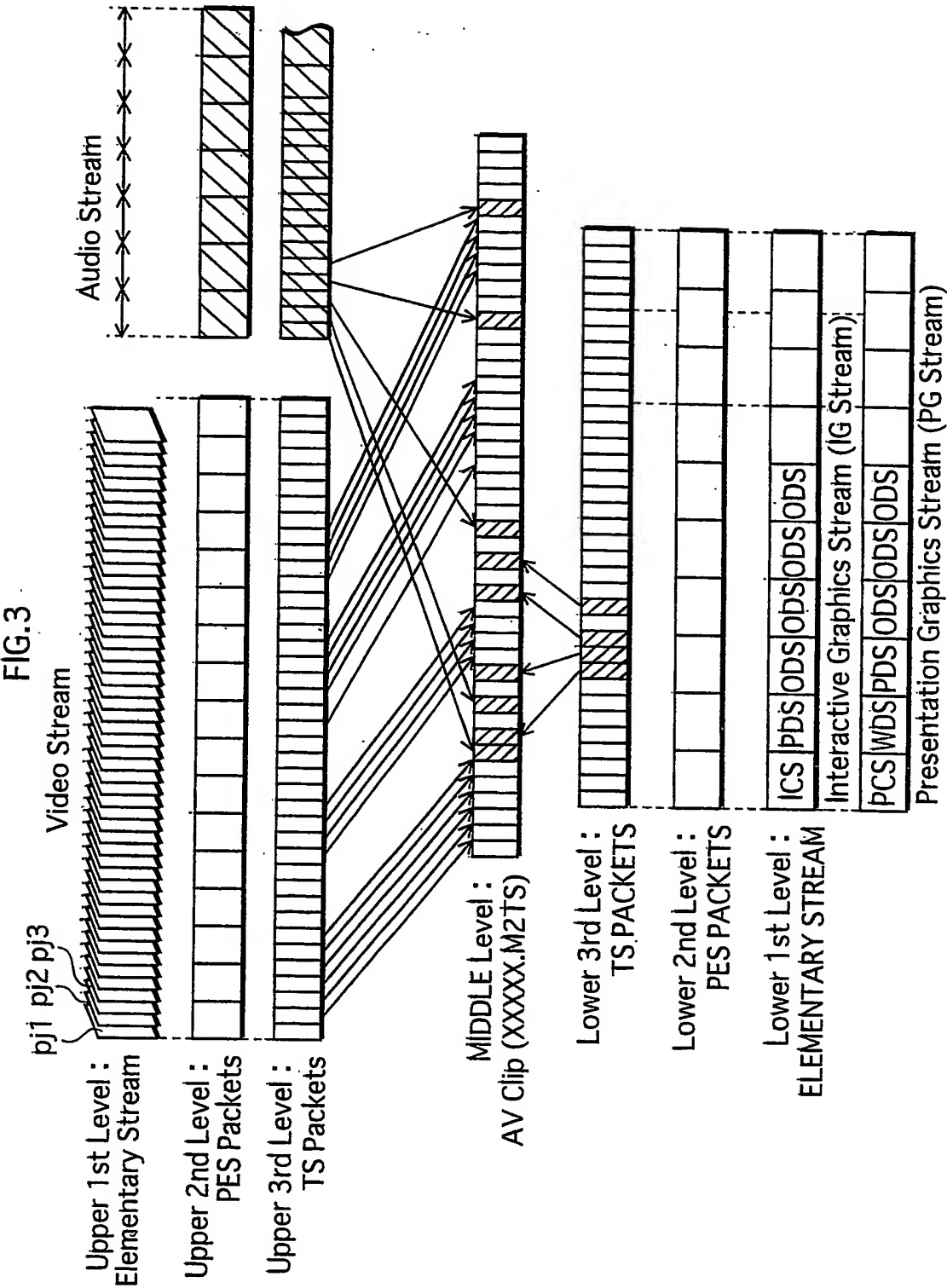


FIG.2





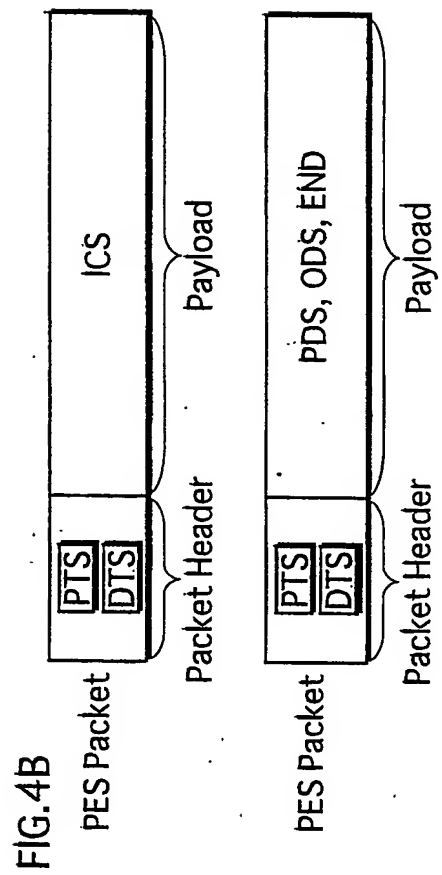
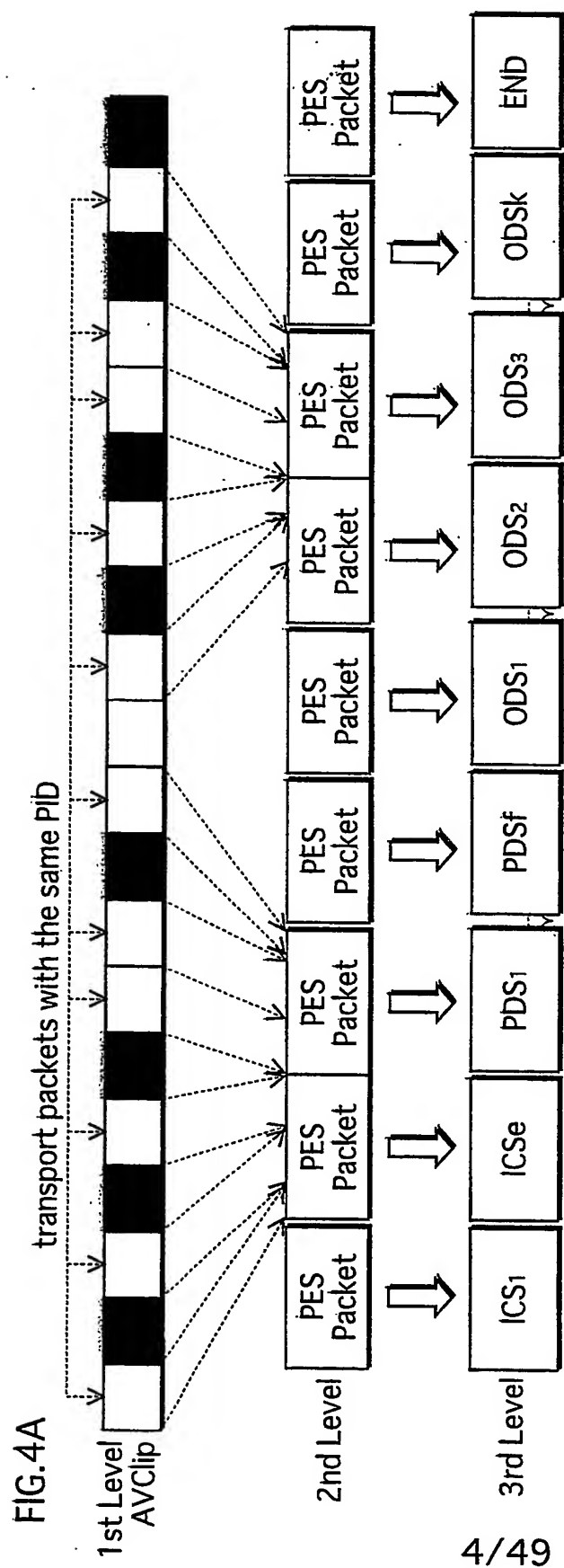


FIG. 5

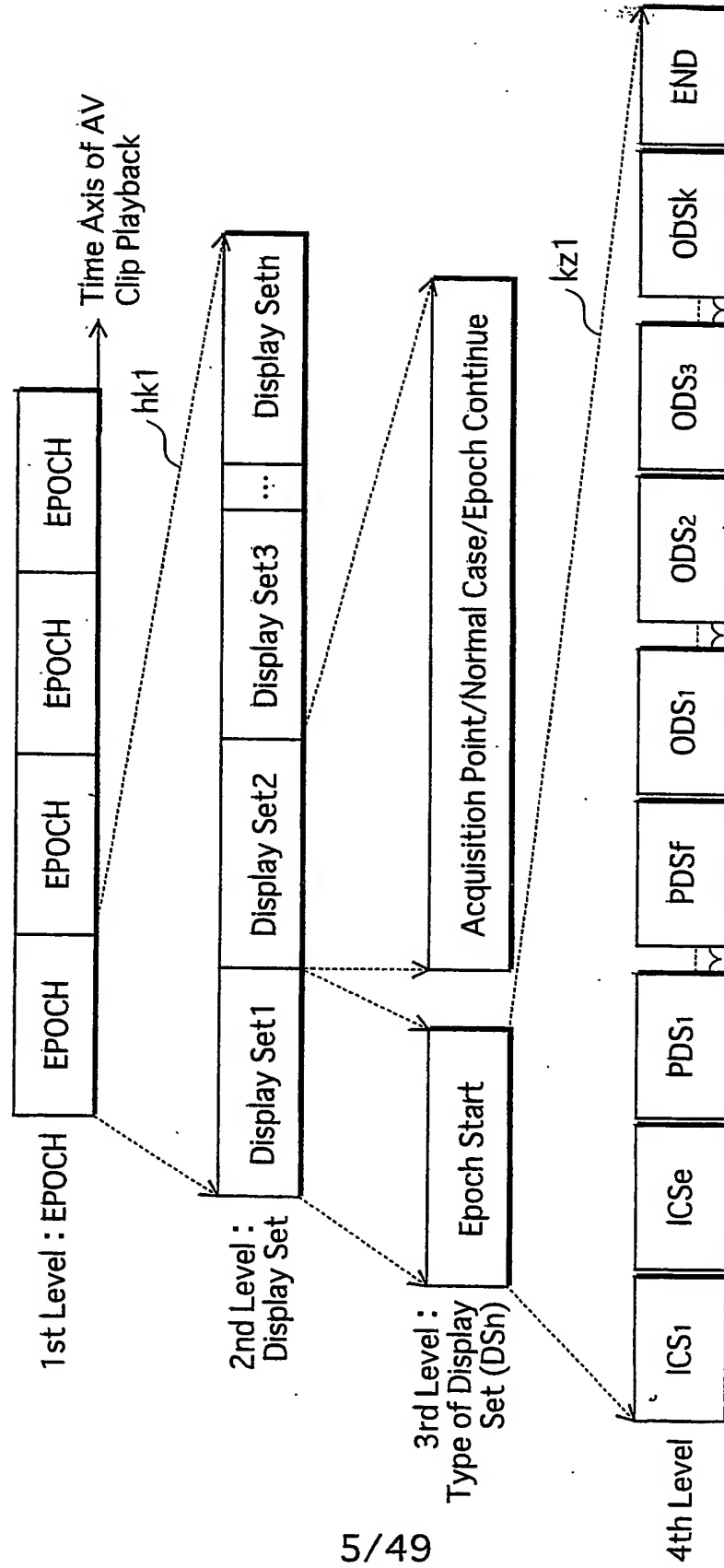


FIG. 6

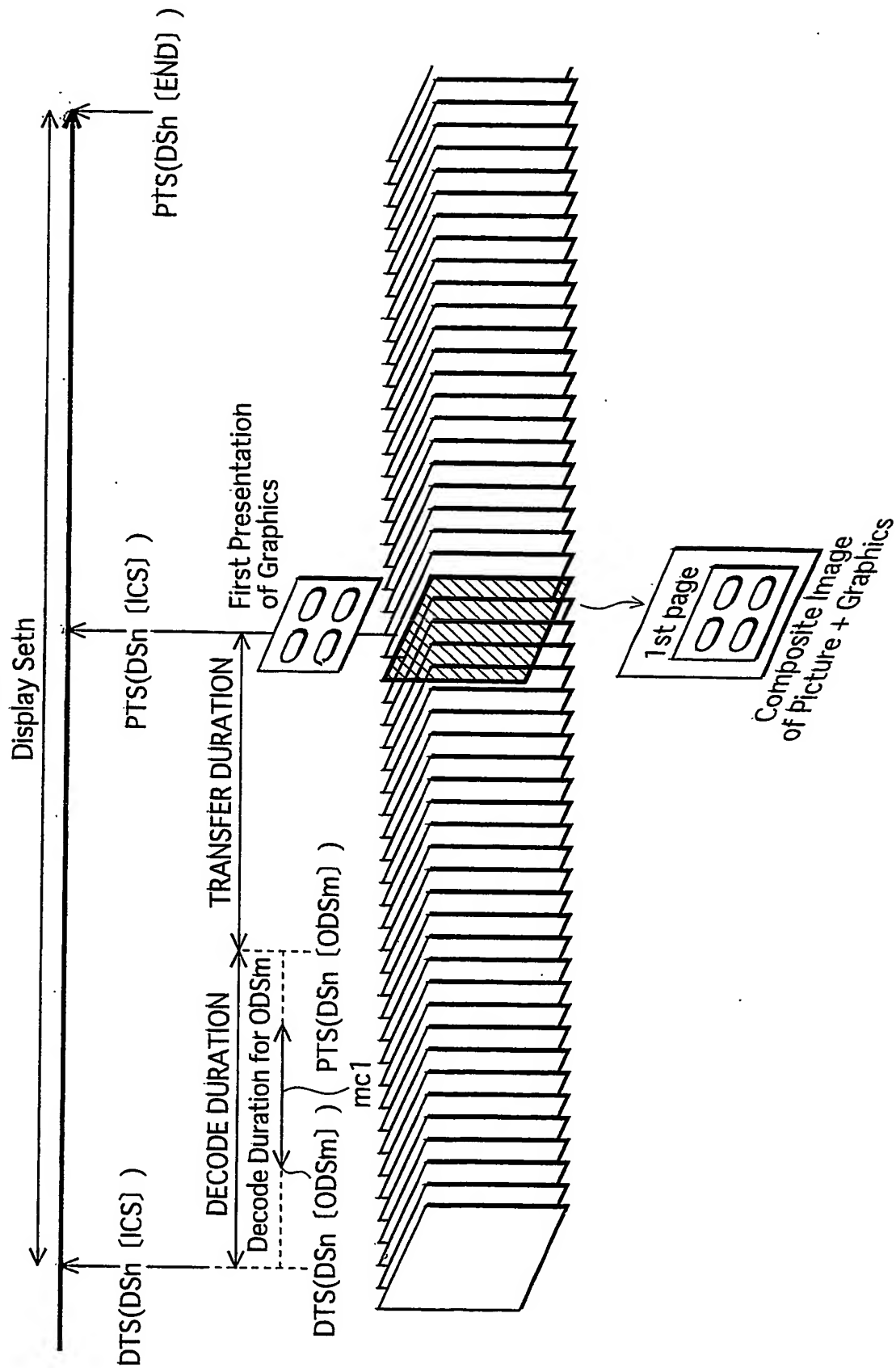


FIG.7A One-to-One Correspondence

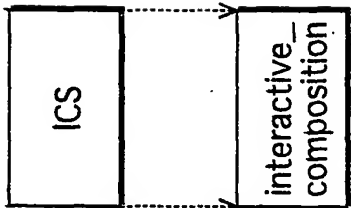


FIG.7B One-to-Multiple Correspondence

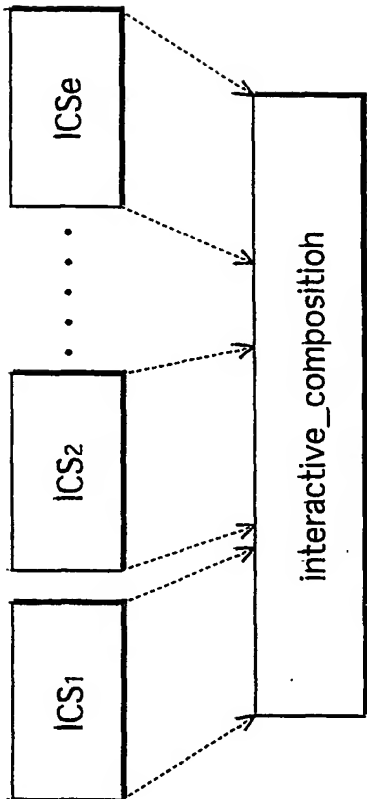


FIG.8

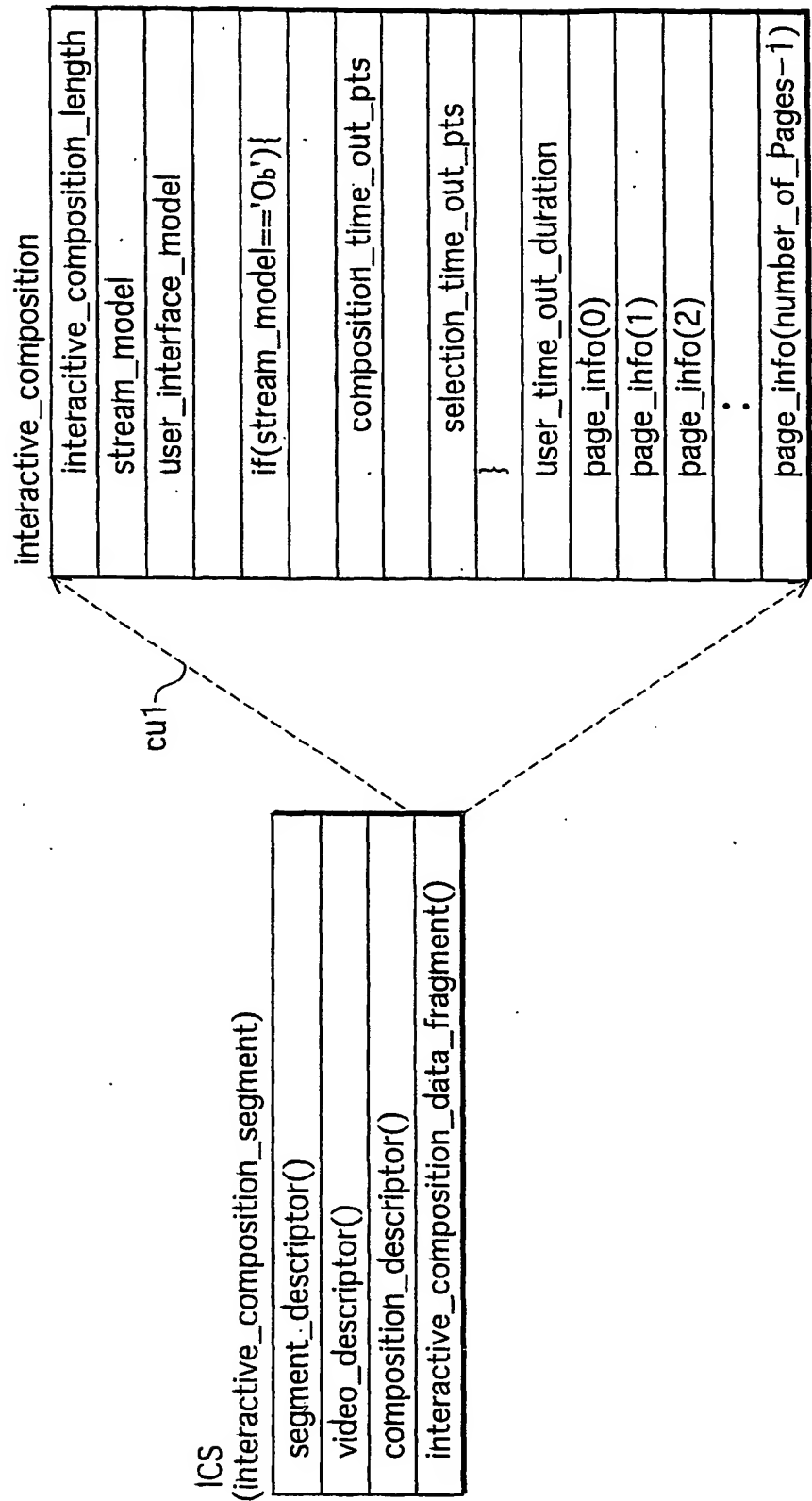


FIG.9

ICS.Stream_model=0(Playback of Multiplexed ICS)

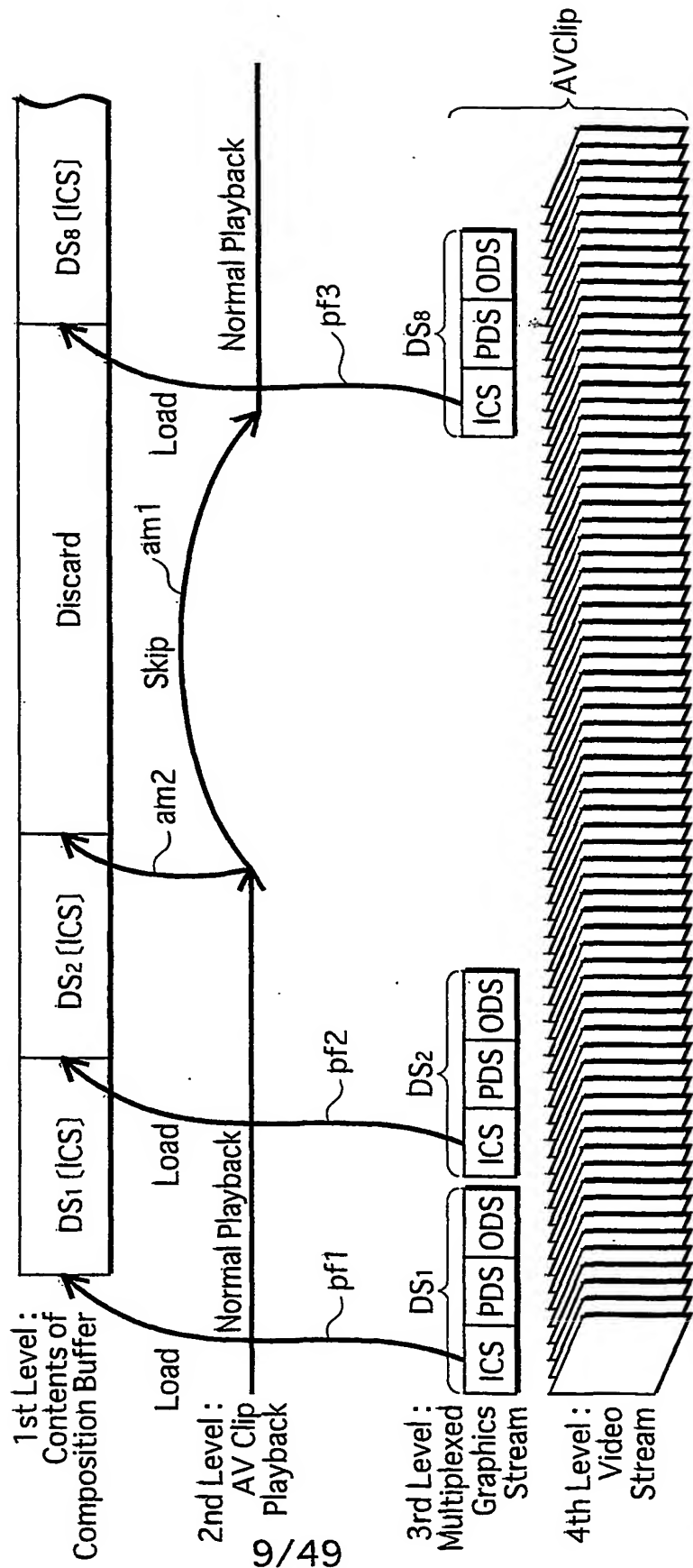


FIG.10

ICS.Stream_model=1 (Playback of Preloaded ICS)

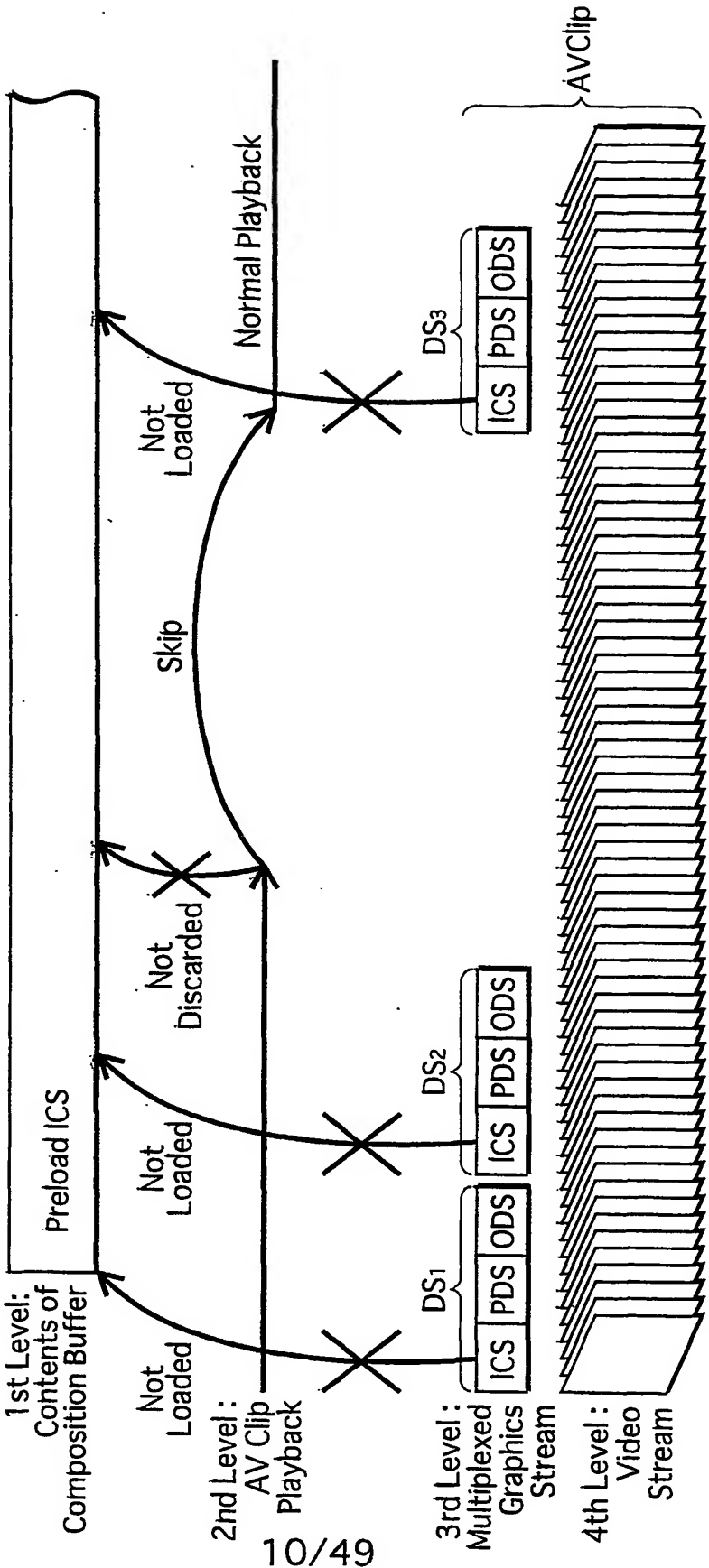


FIG. 11

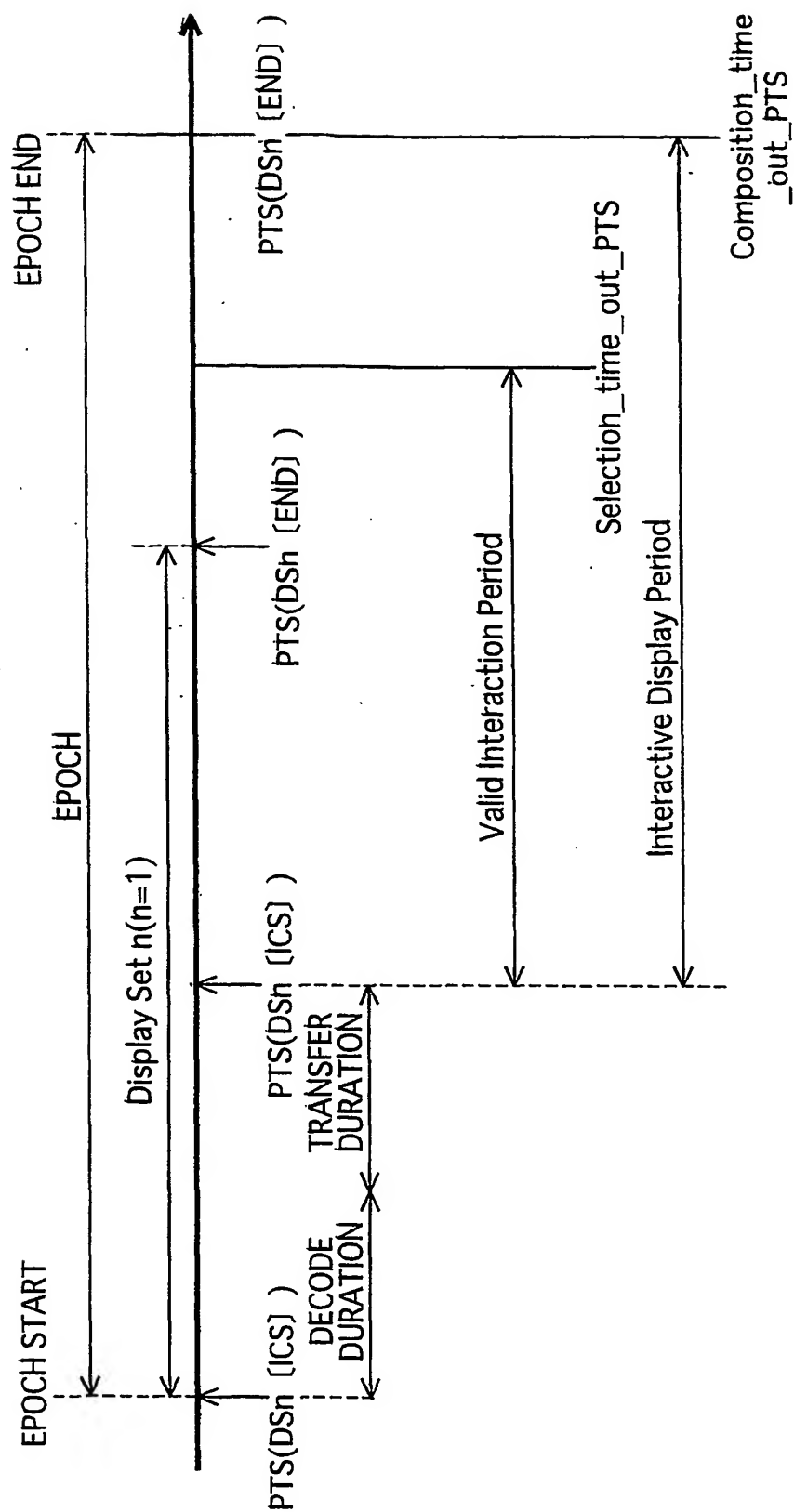


FIG. 12A

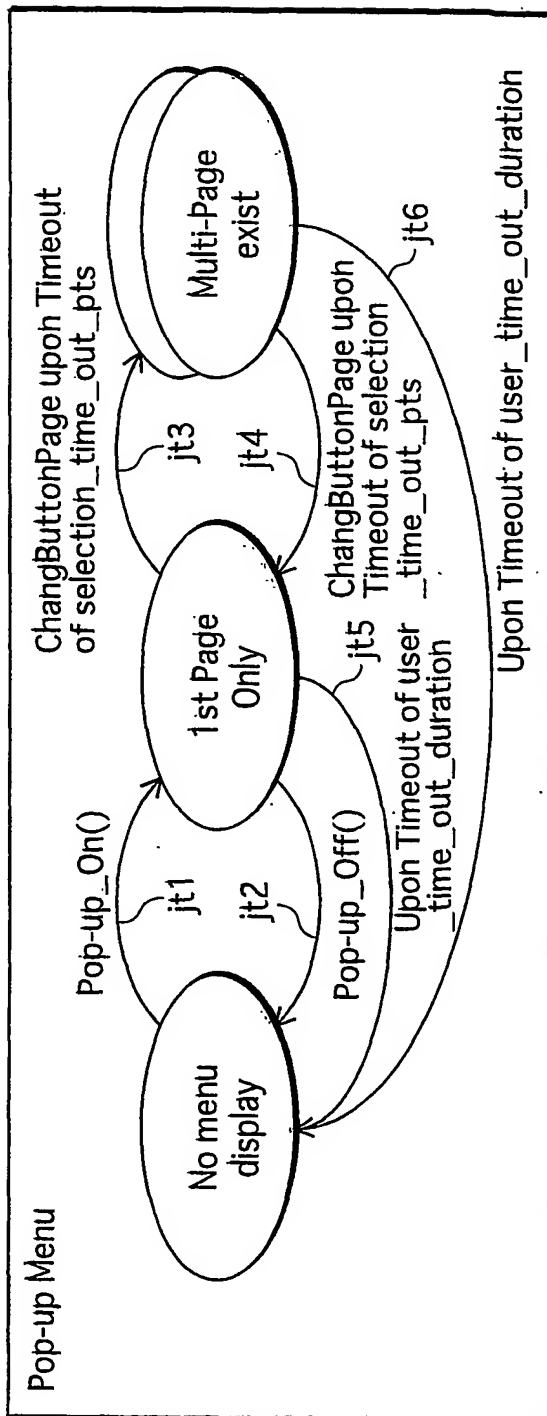


FIG. 12B

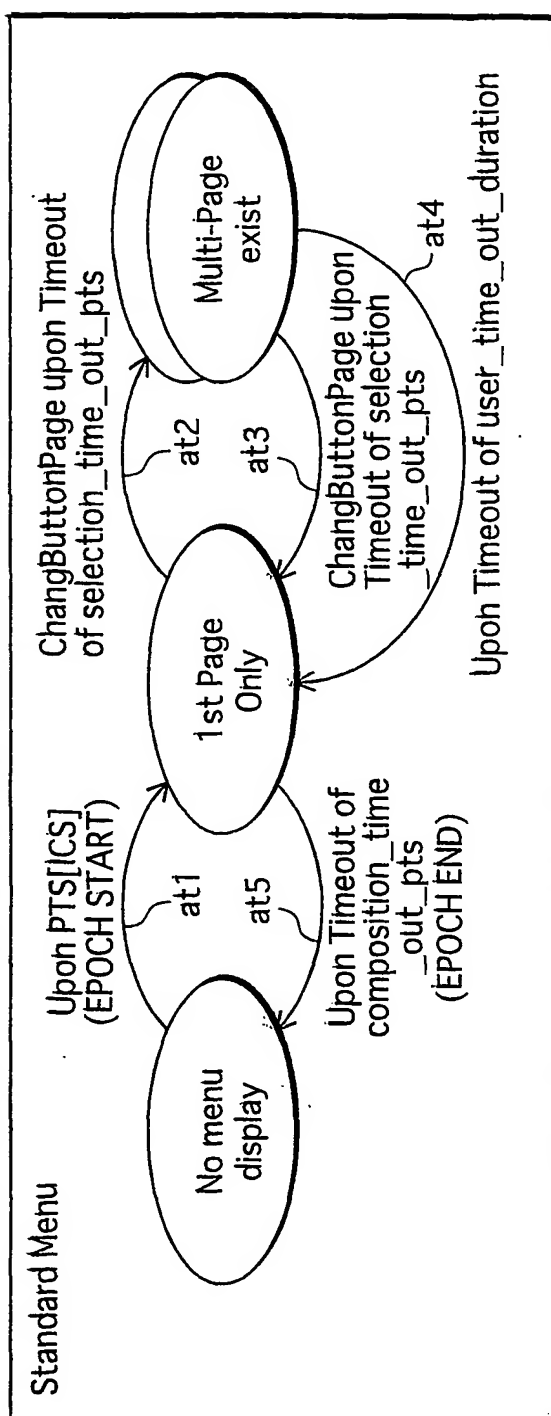


FIG.13

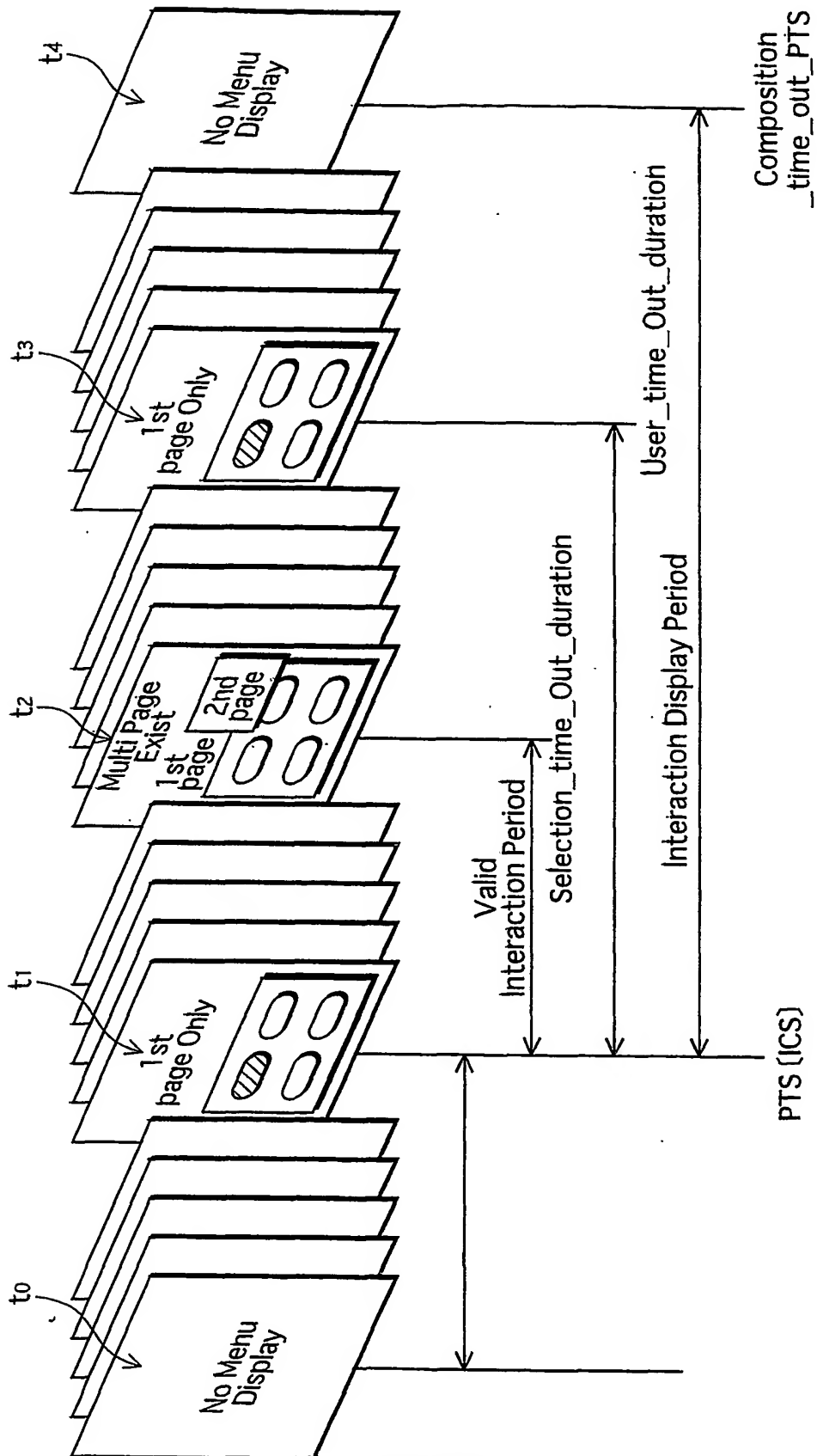


FIG.14A

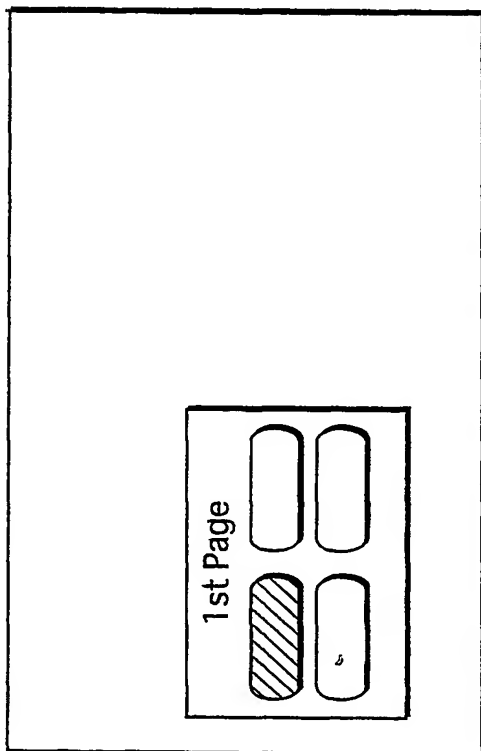


FIG.14B

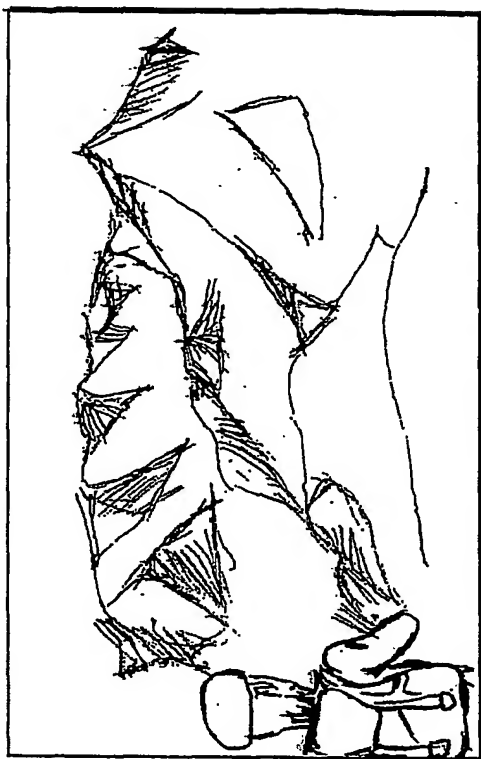


FIG.14C

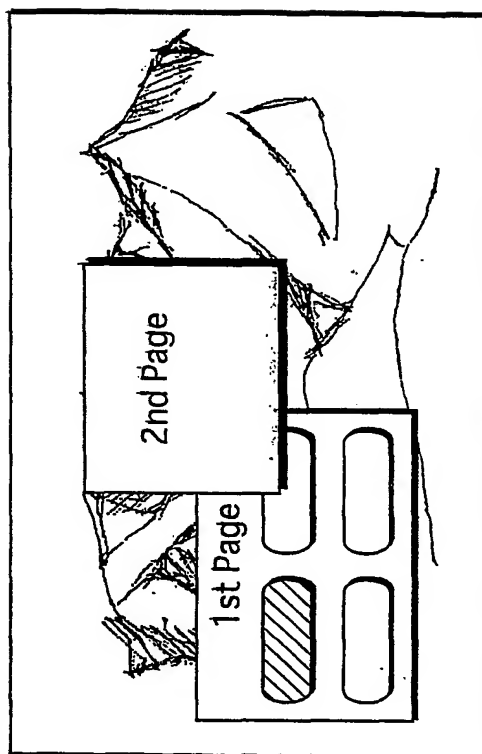
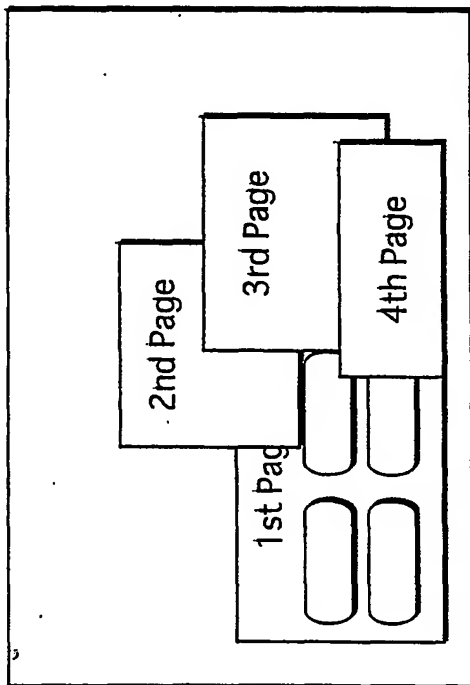
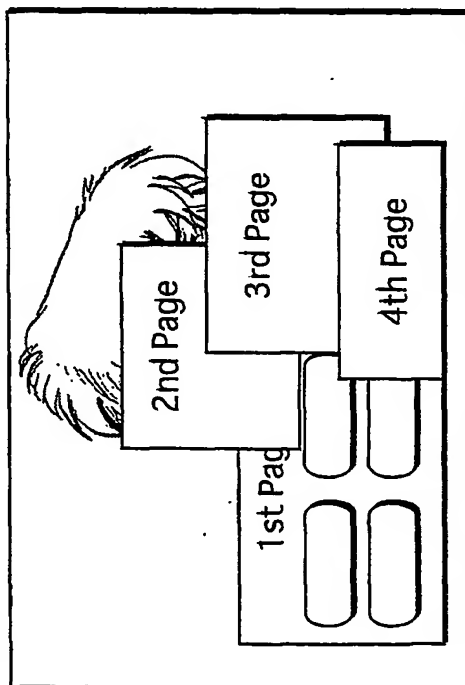


FIG.15A



Multi-Page Exist

FIG.15C



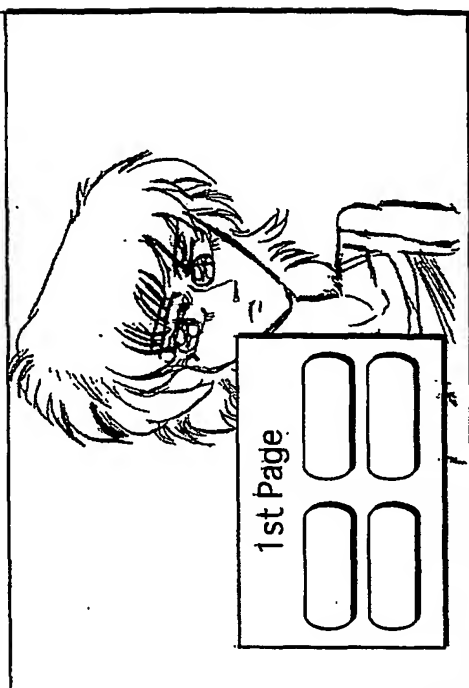
Picture is Covered by Menu Pages

FIG.15B



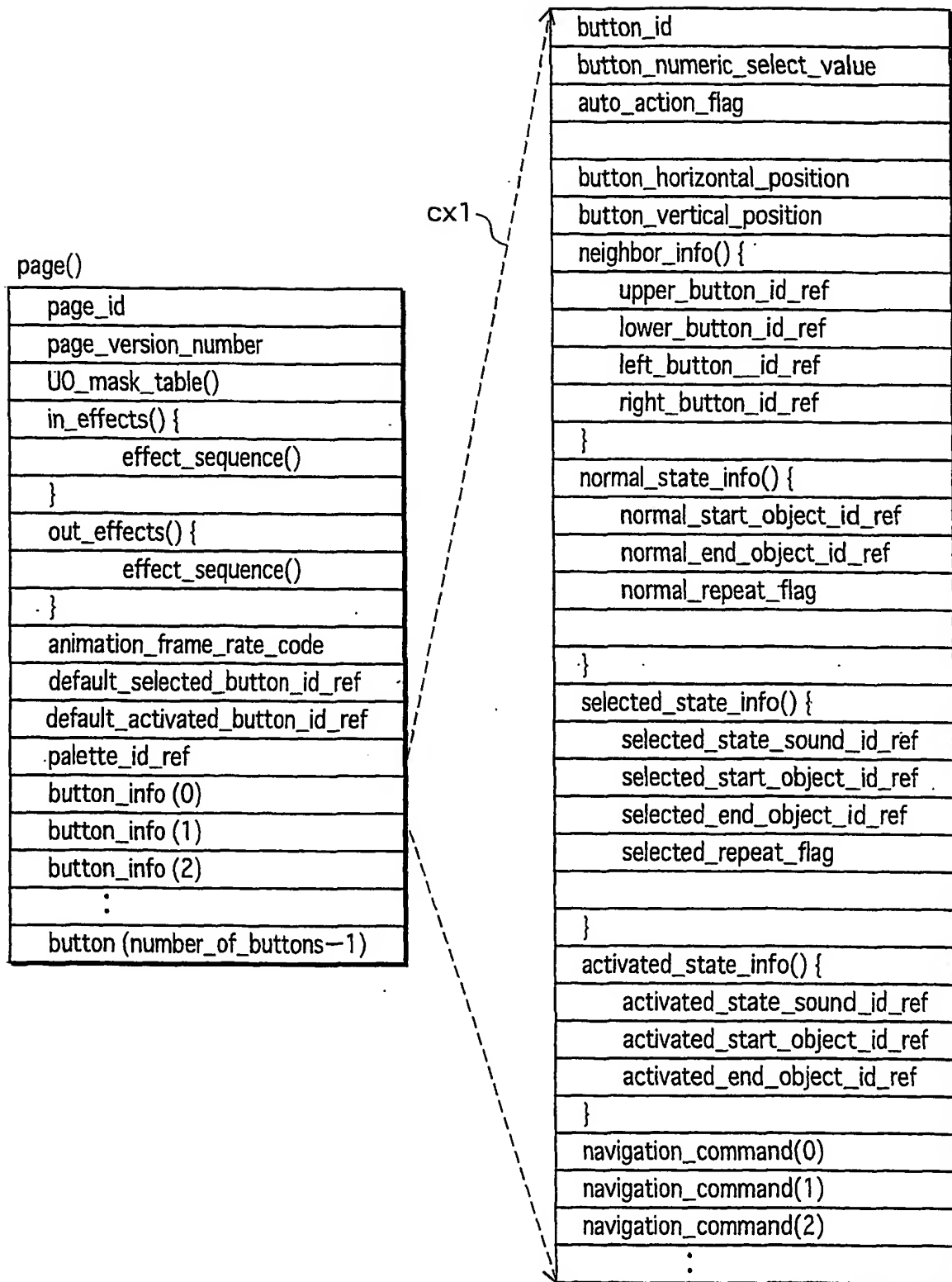
Next Picture

FIG.15D



Set user_time_out_duration Immediately
before Presentation of Picture

FIG.16



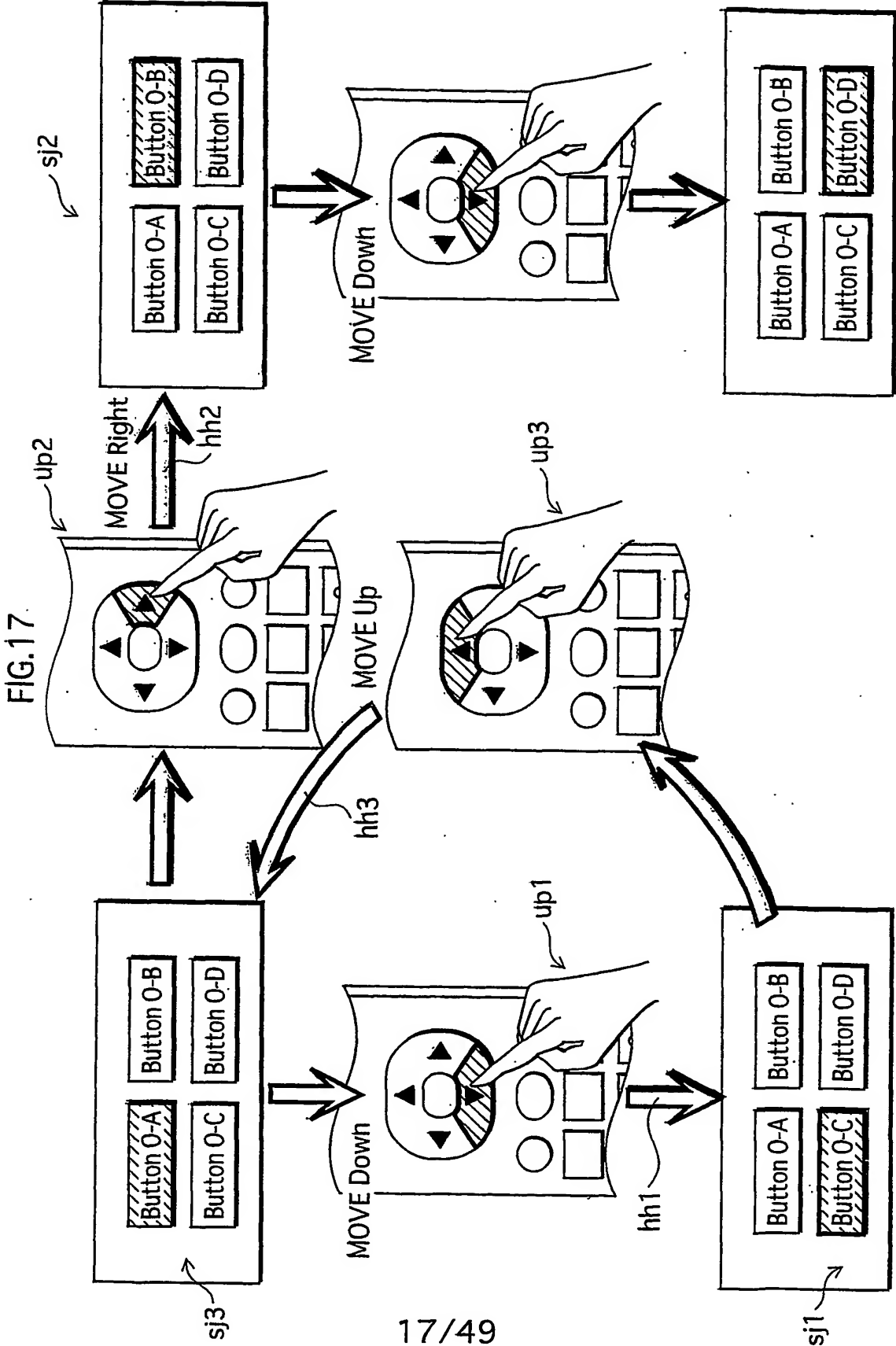


FIG.18

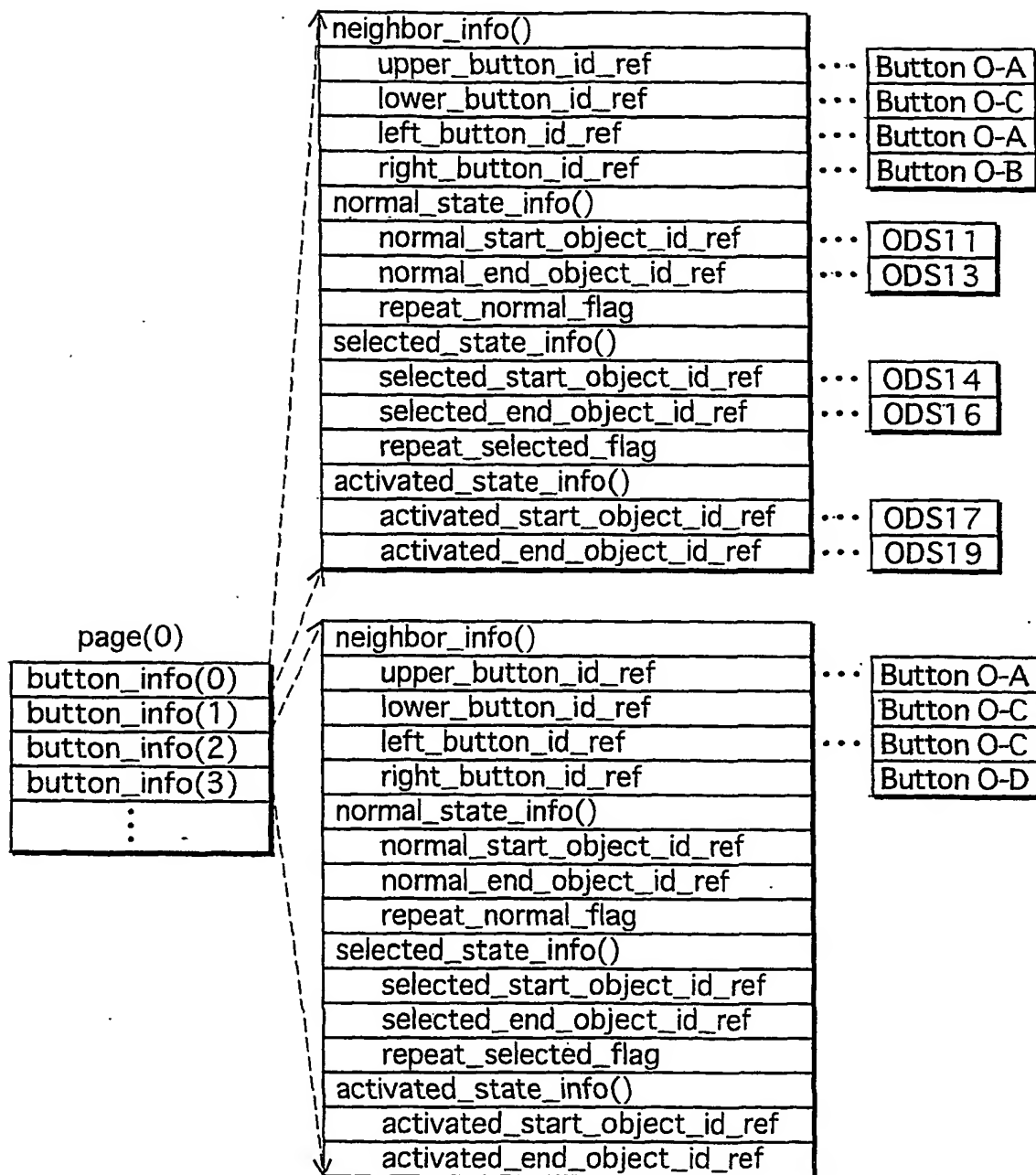


FIG.19

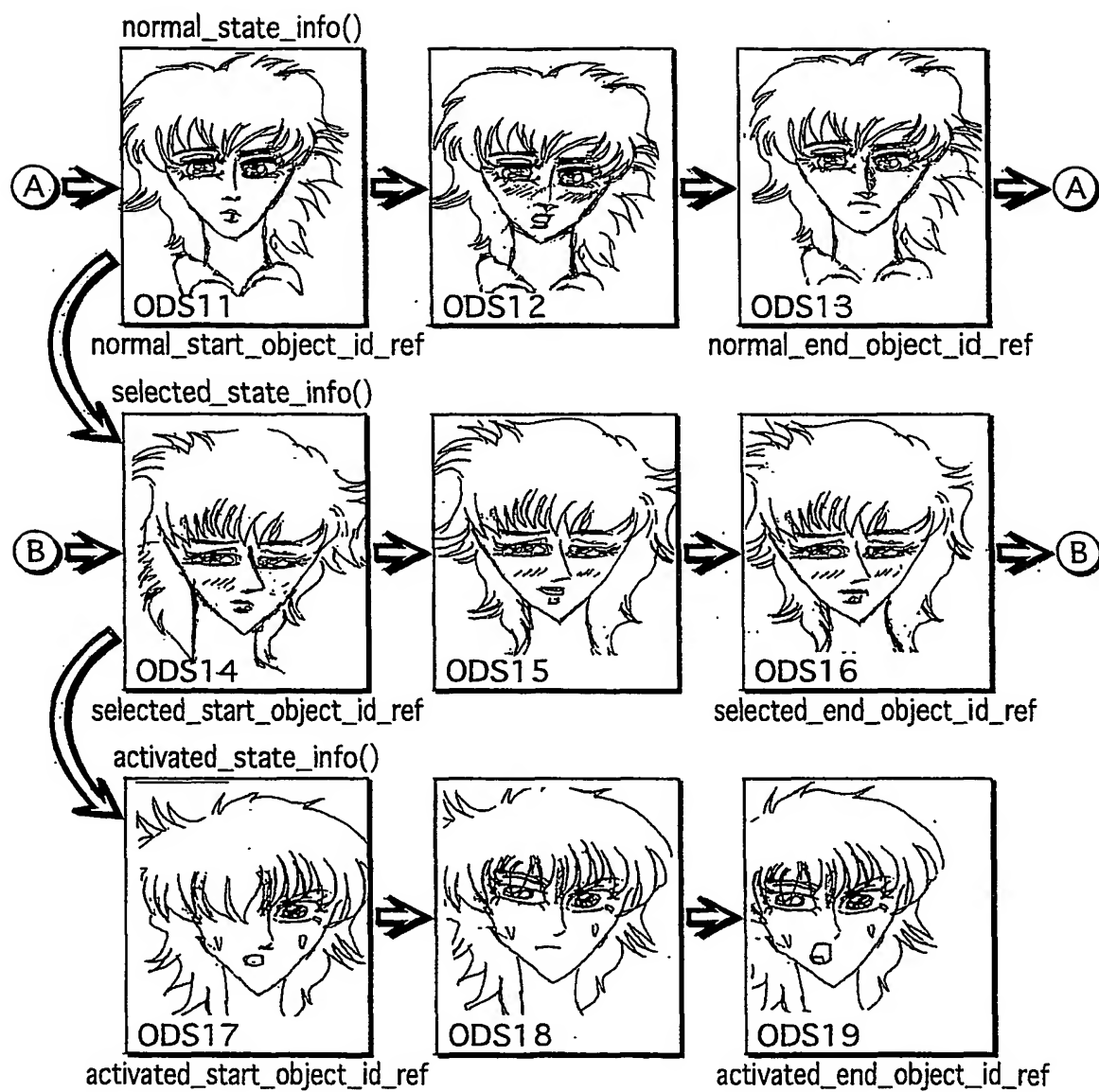


FIG.20

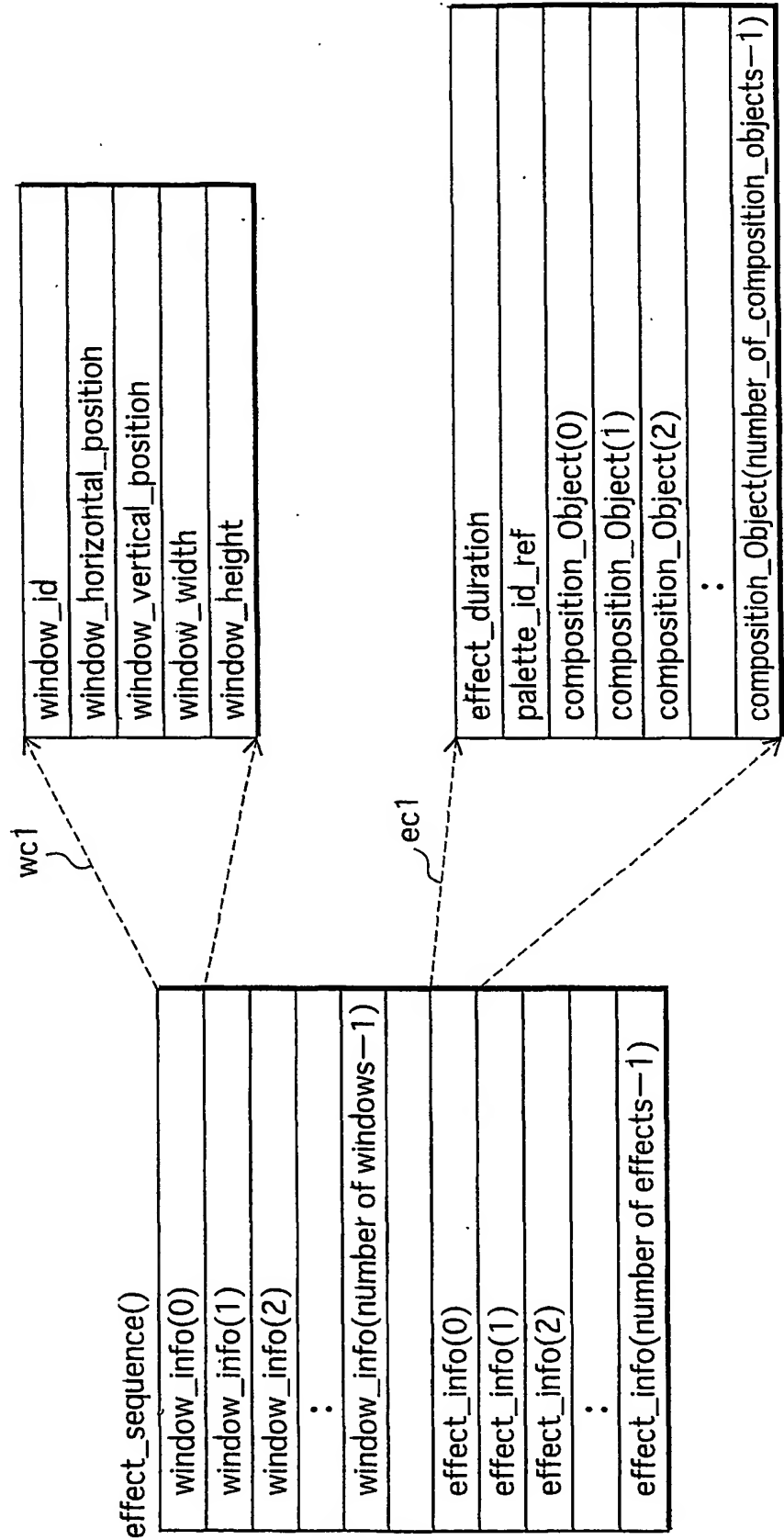


FIG.21A

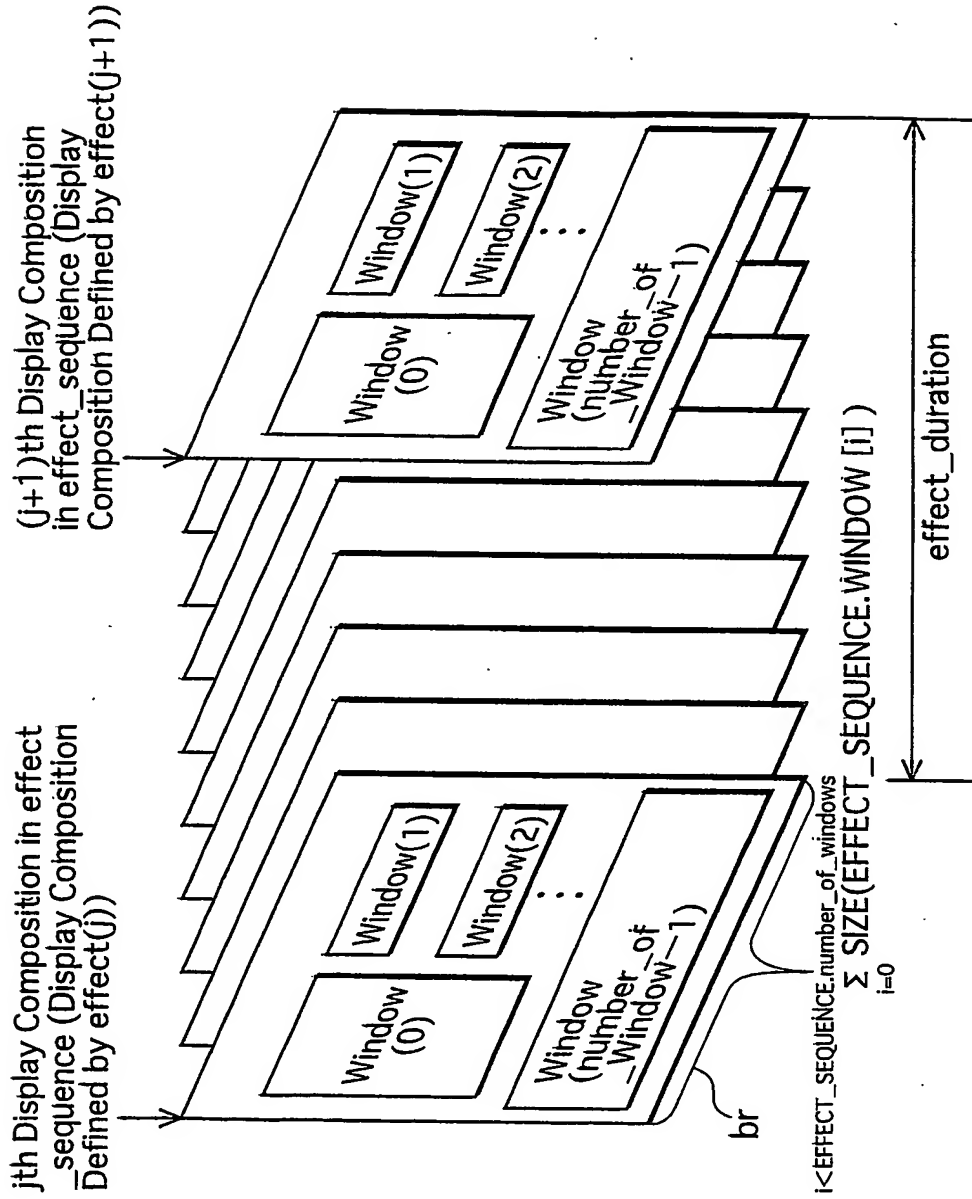


FIG.21B

$$\text{effect_duration} \geq \text{ceil} \left(\left(90000 * \sum_{i=0}^{i < \text{EFFECT_SEQUENCE.number_of_windows}} \text{SIZE}(\text{EFFECT_SEQUENCE.WINDOW}[i]) \right) / (128 * 10^6) \right)$$

FIG.22

In_Effect

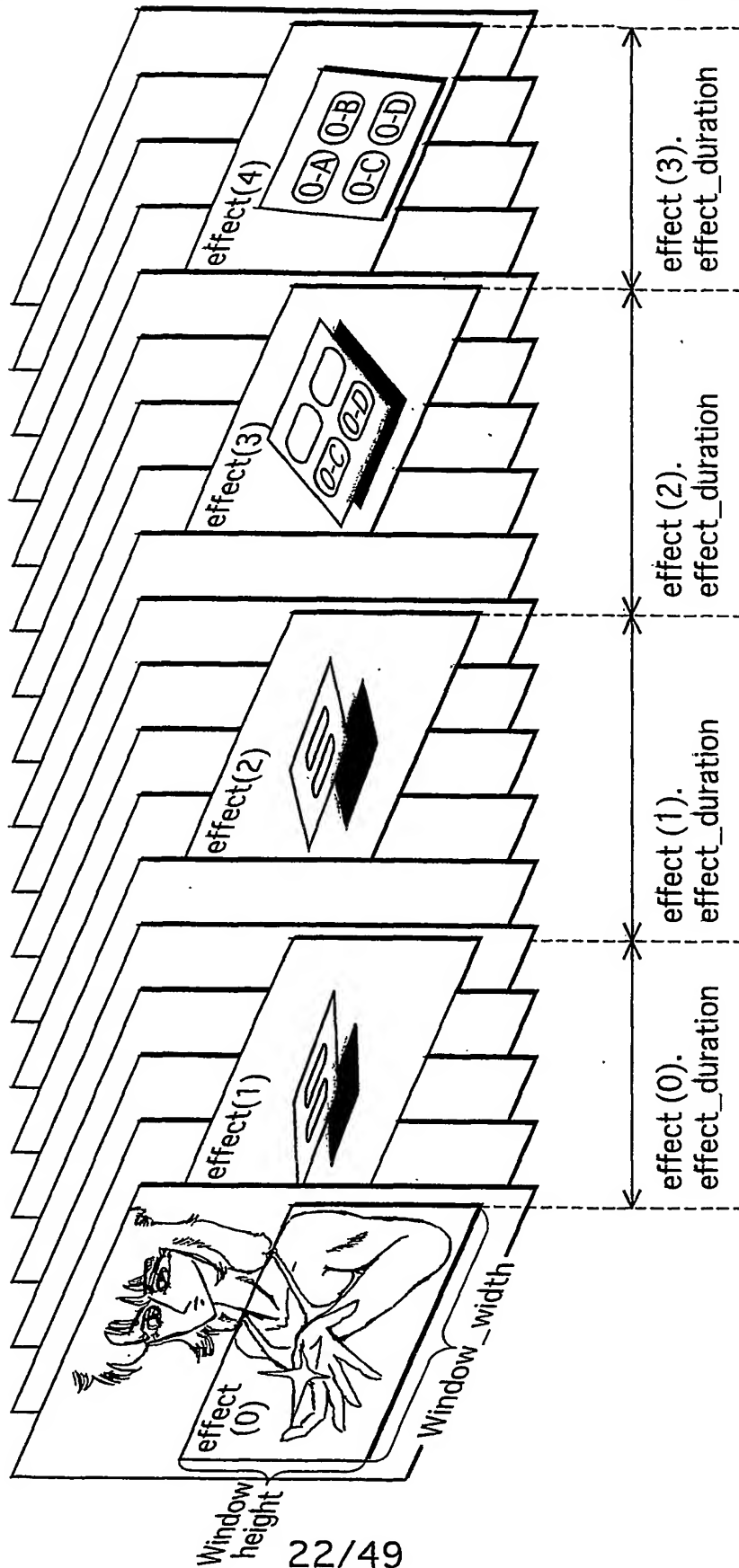


FIG.23

Out_Effect

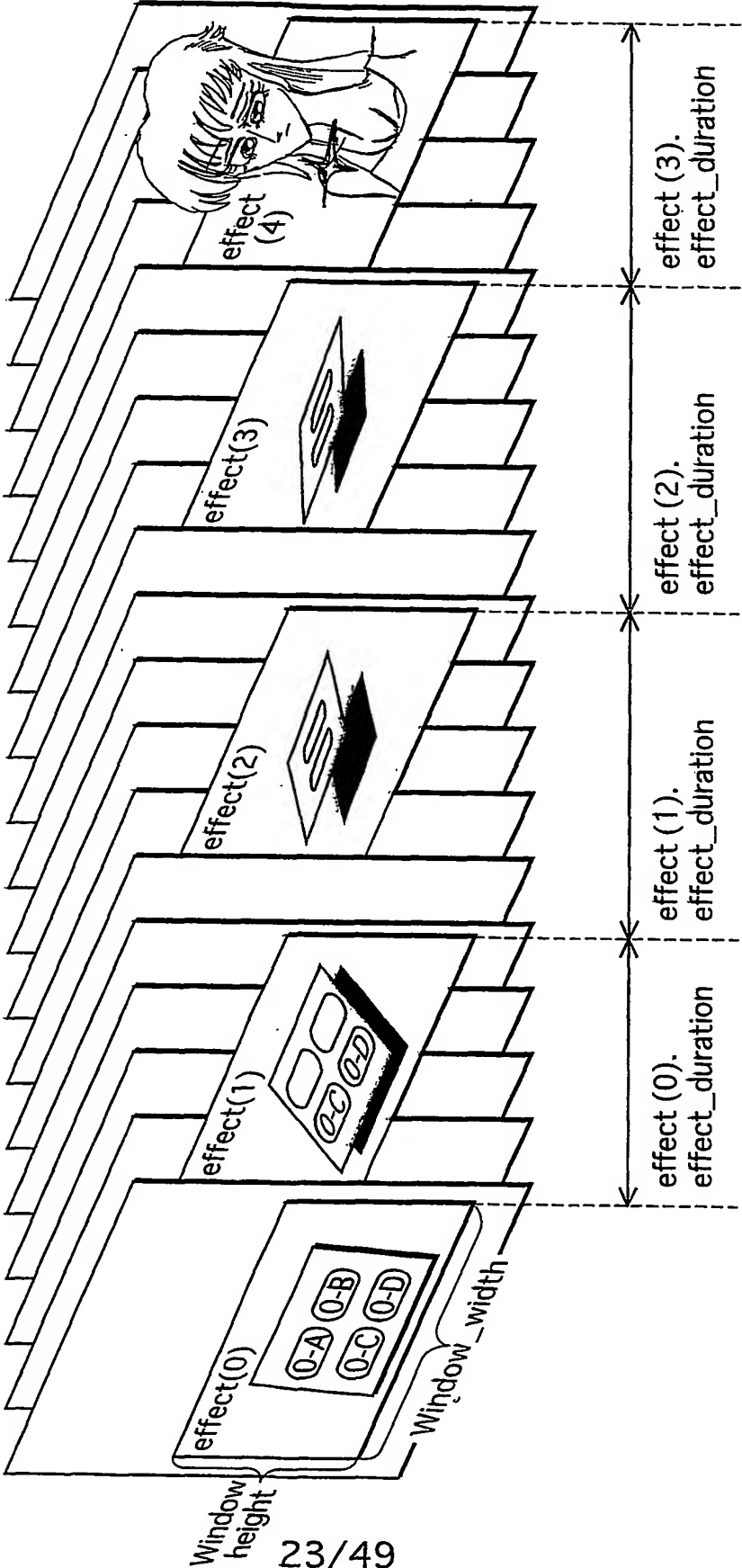


FIG.24

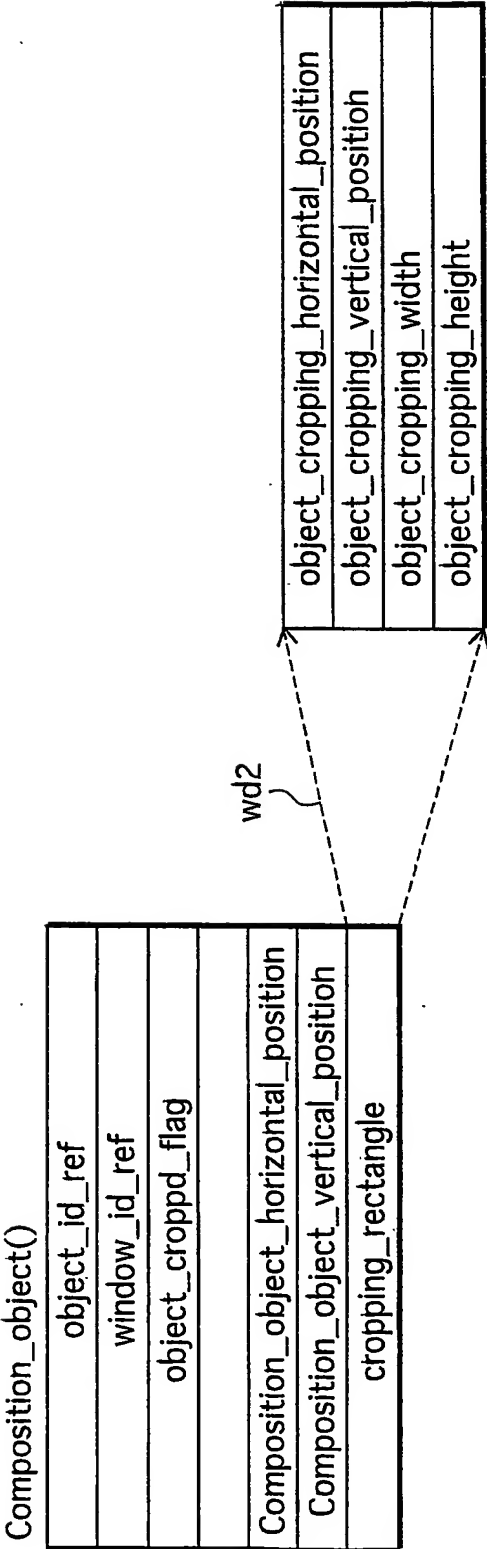


FIG.25

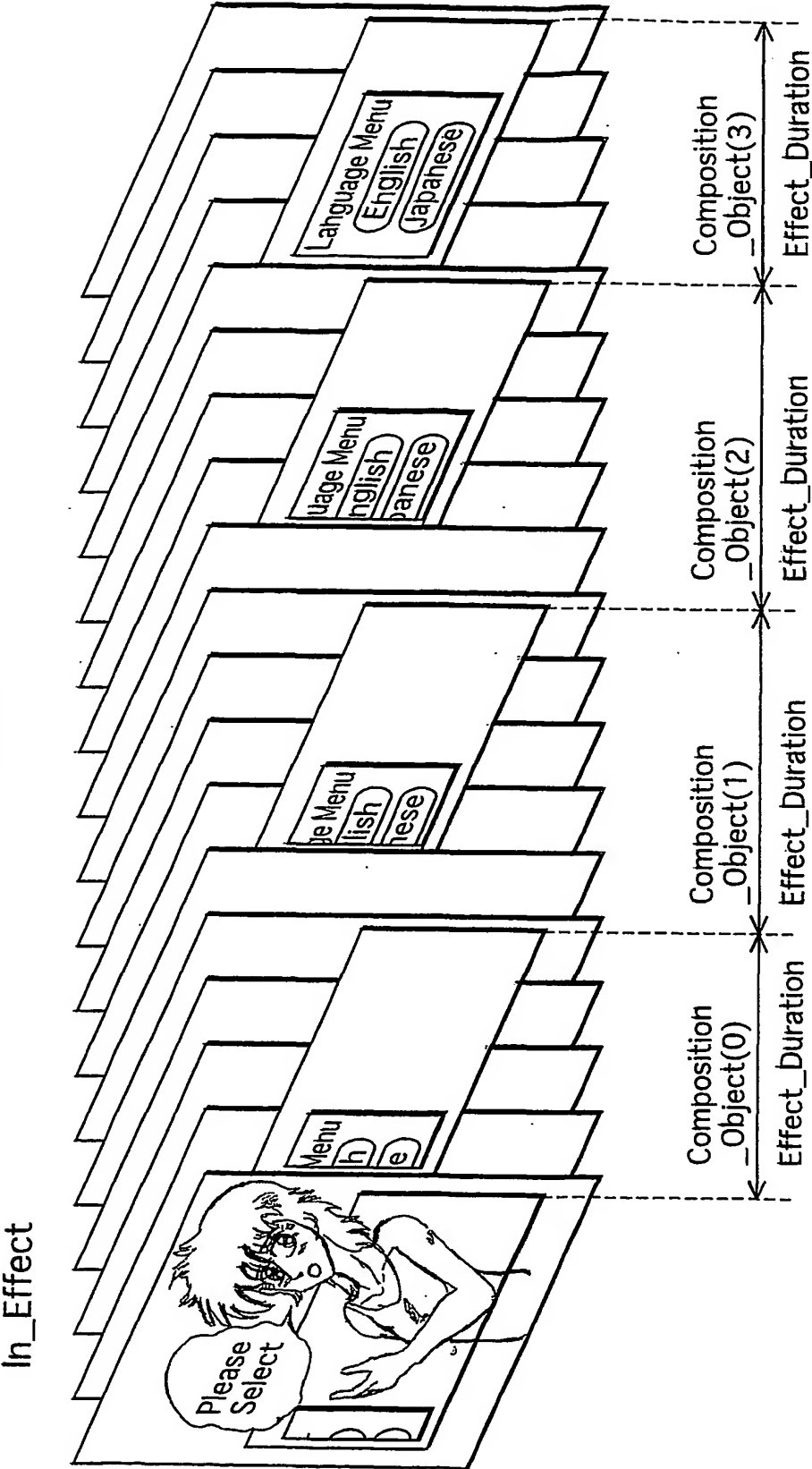


FIG.26

Composition_Object(0) Setting

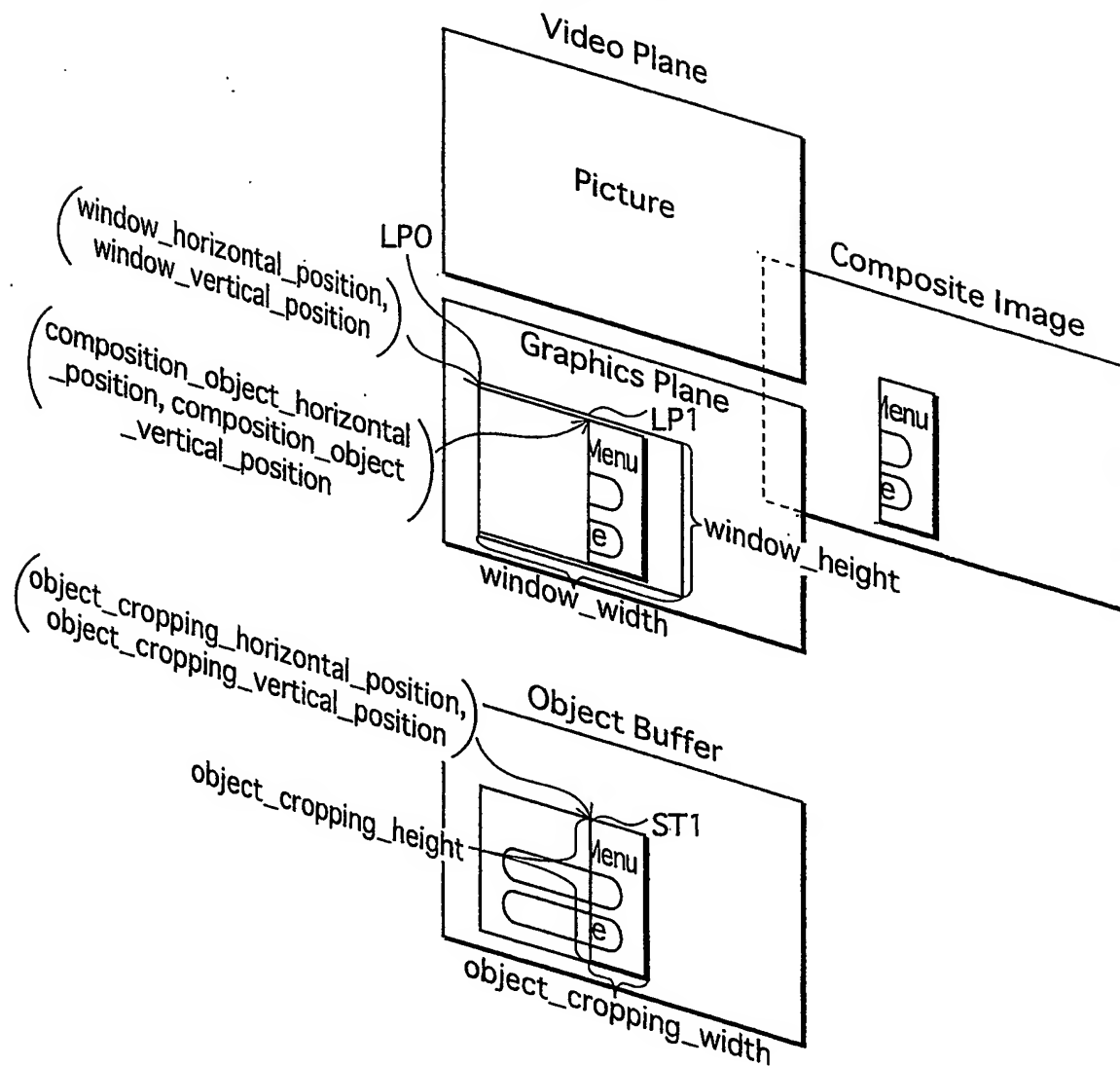


FIG.27

Composition_Object(1) Setting

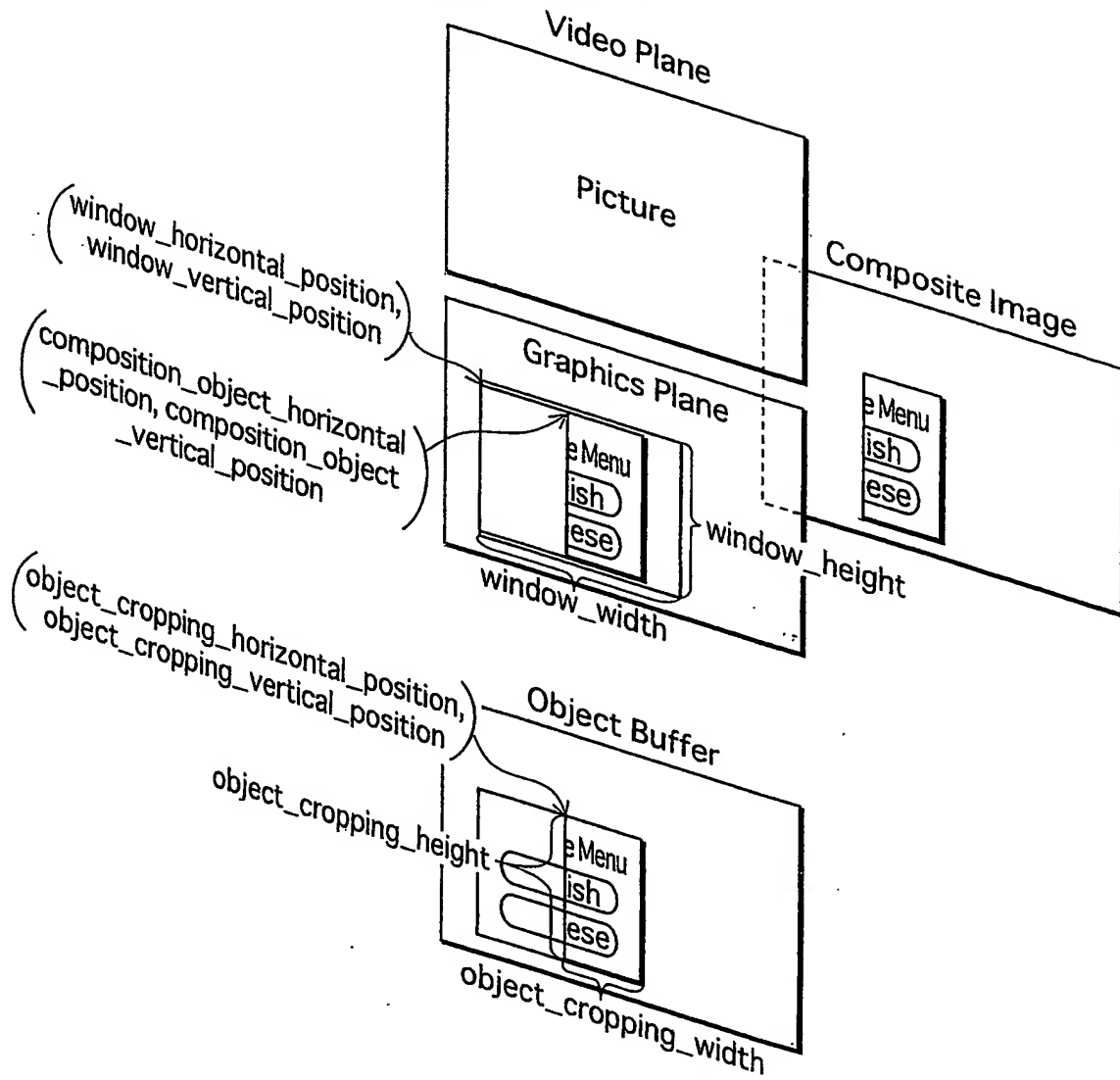


FIG.28

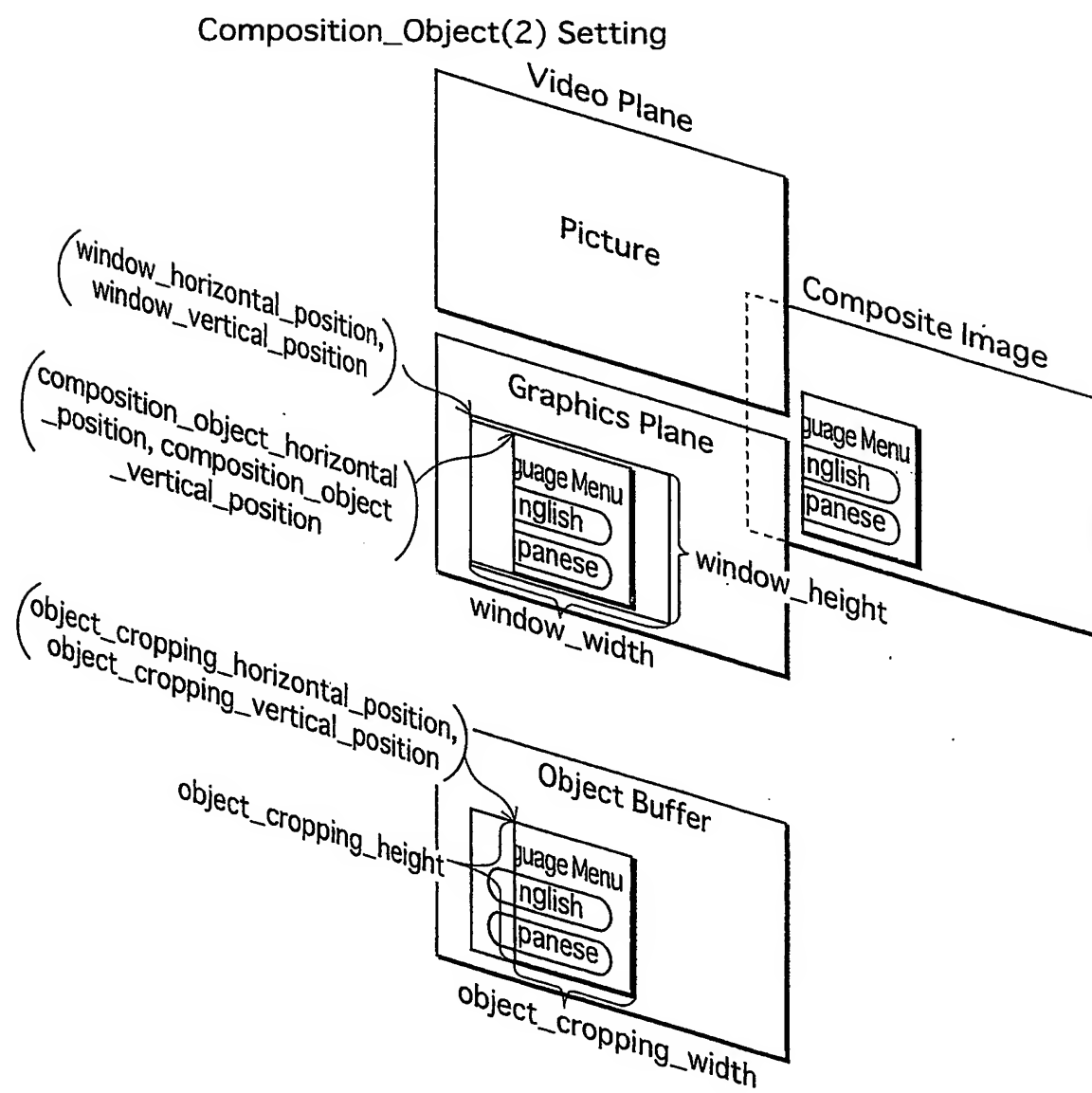


FIG.29

Composition_Object(3) Setting

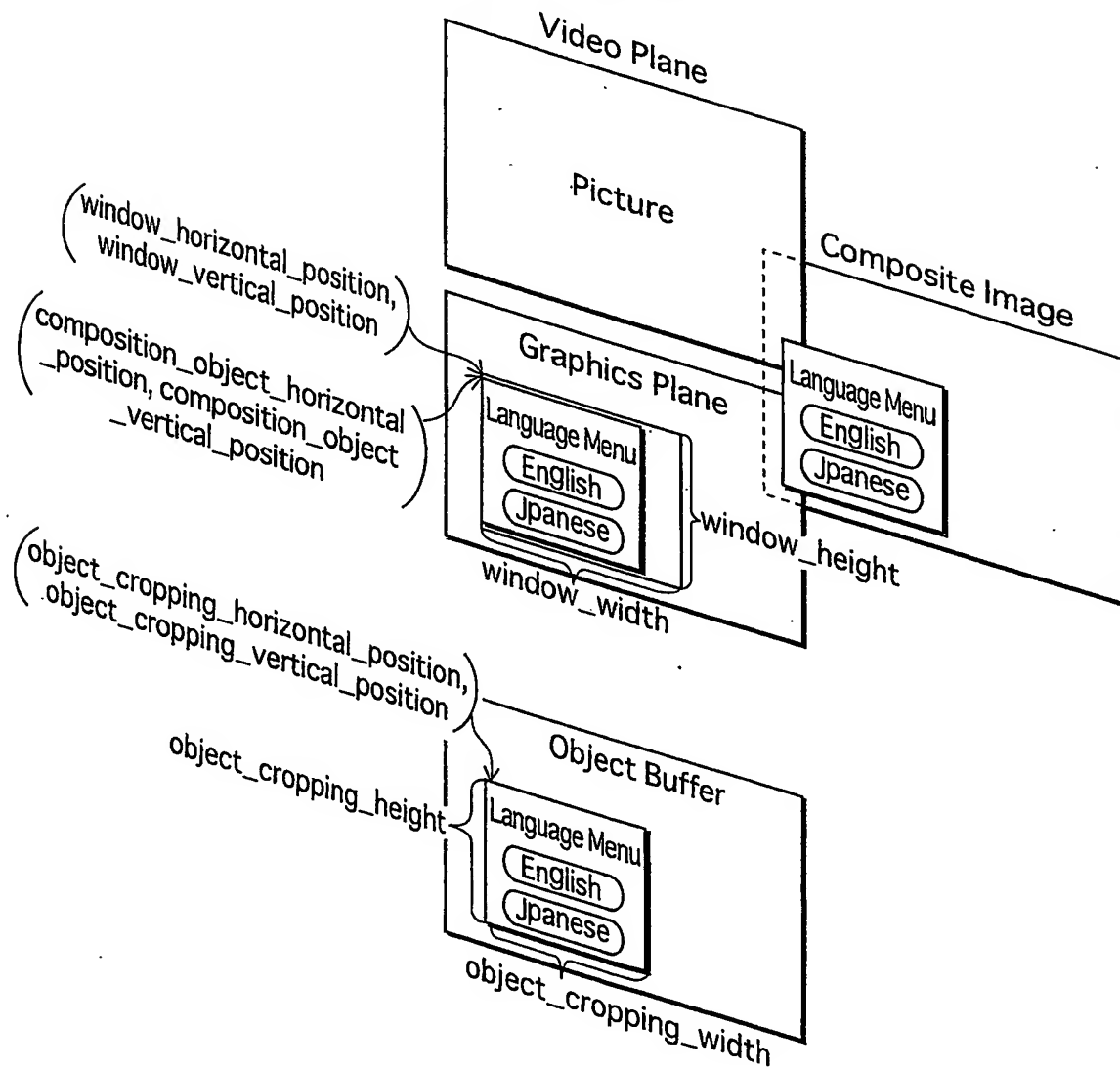


FIG.30

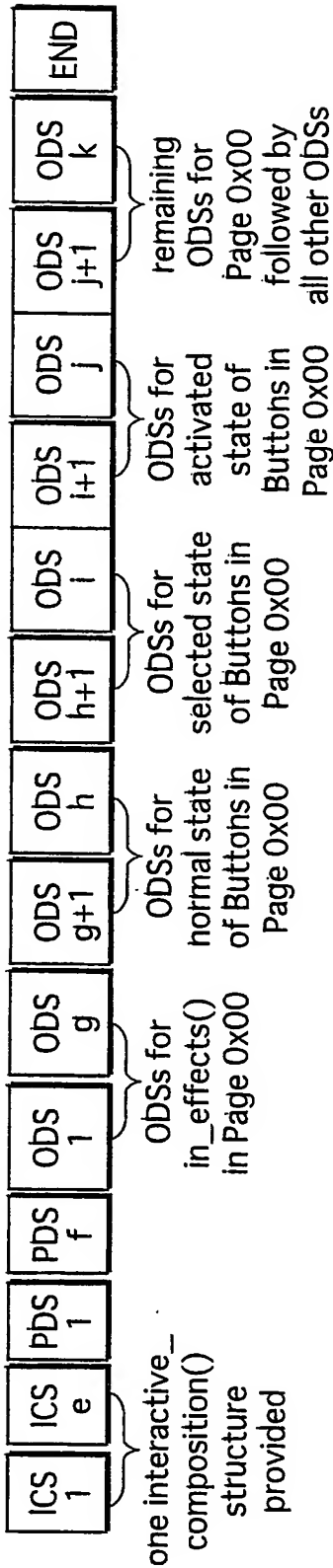


FIG.31

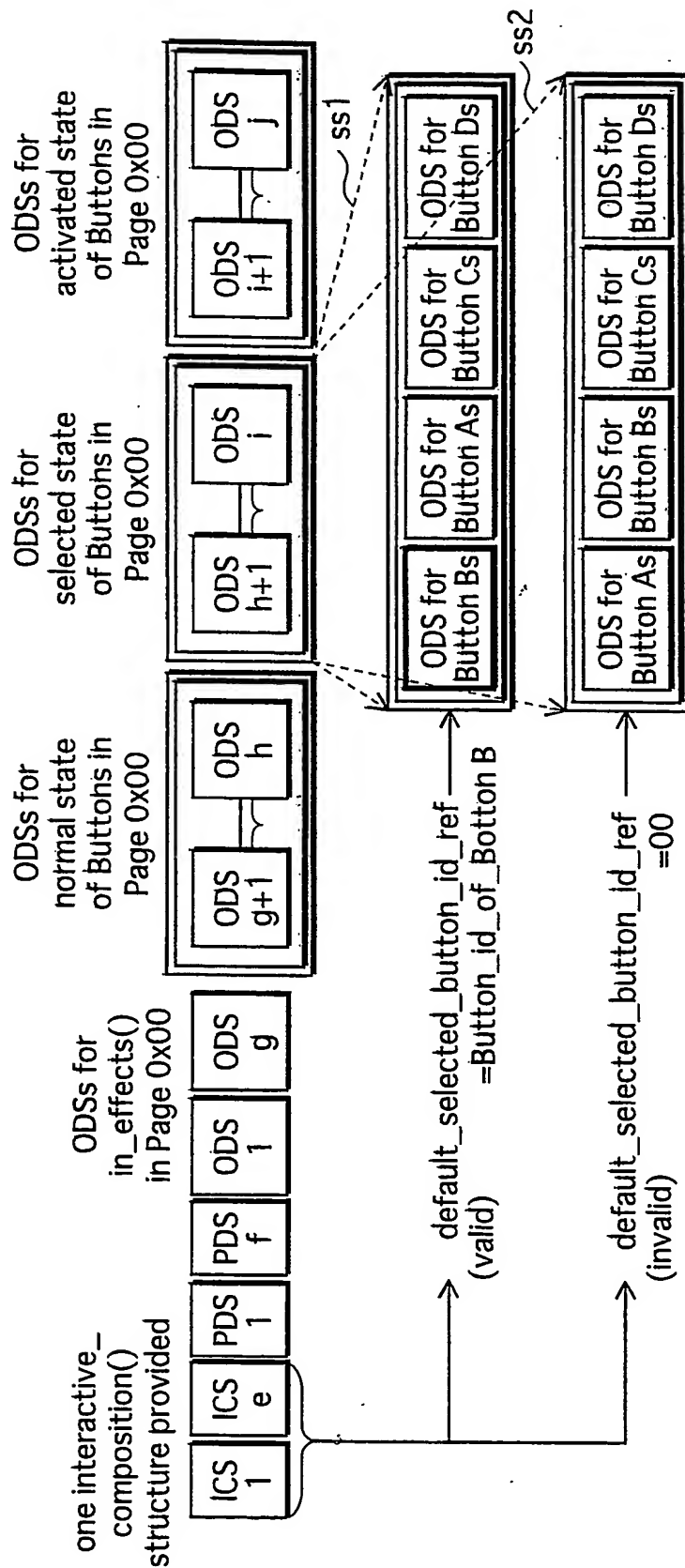


FIG.32A

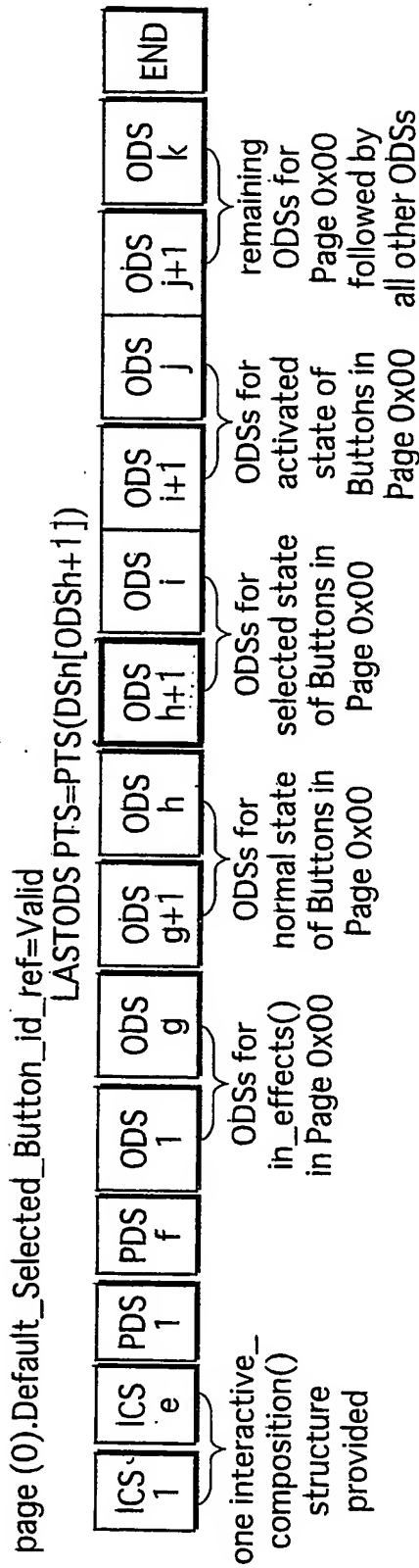
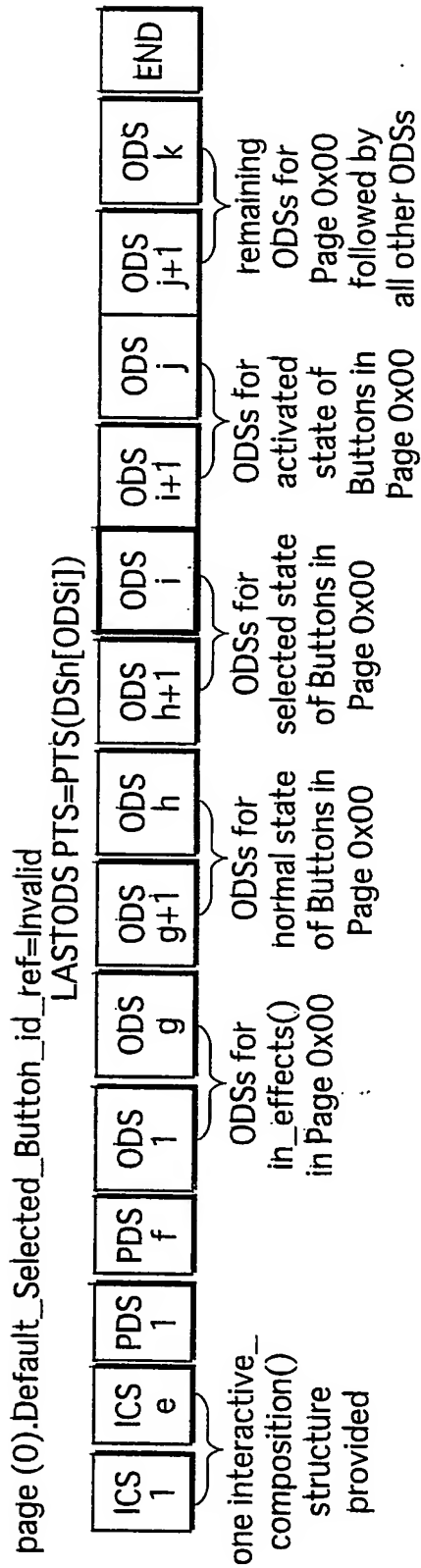


FIG.32B



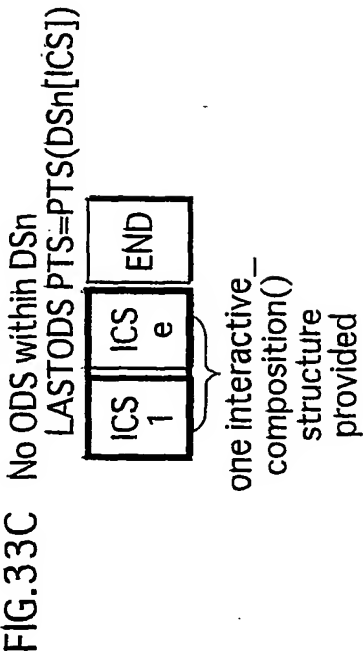
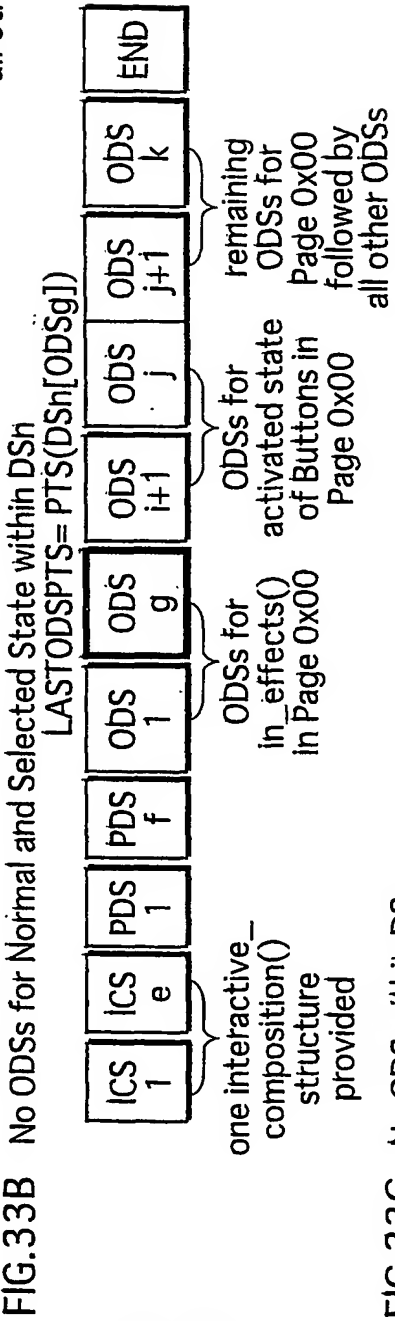
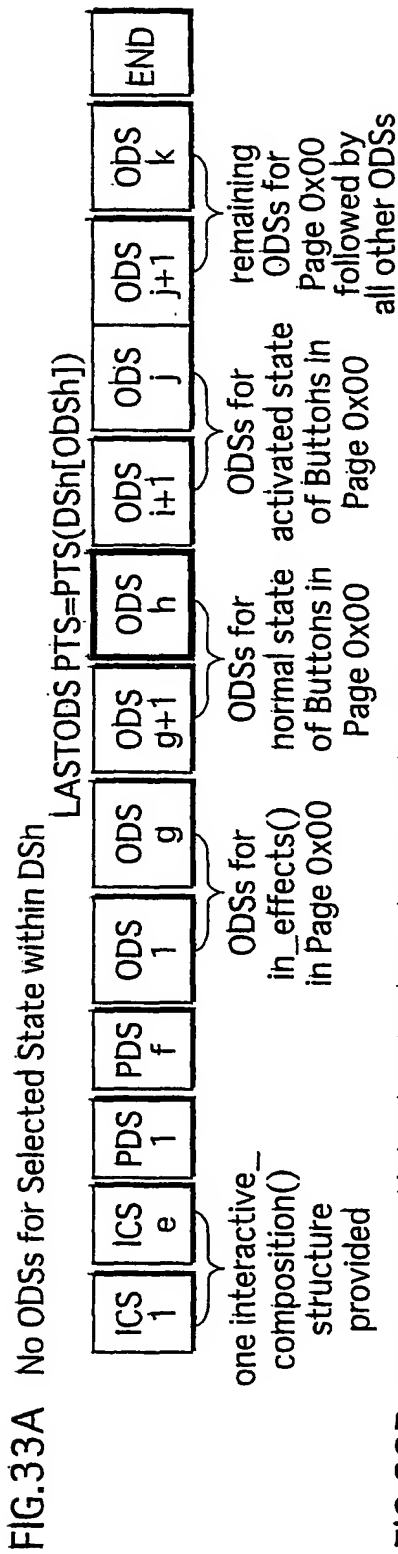


FIG.34A $PTS(DS_n[ICS]) \geq DTS(DS_n[ICS]) + DECODEDURATION(DS_n) + TRANSFERDURATION(DS_n)$

Where :

- $DECODEDURATION(DS_n)$ is calculated as follows :

```
if(  $DS_n[ICS].composition\_state == EPOCH\_START$  )  
  return(  $\max(LASTODSPTS(DS_n) - DTS(DS_n[ICS]), PLANECLARTIME(DS_n))$  )  
else  
  return(  $LASTODSPTS(DS_n) - DTS(DS_n[ICS])$  )
```

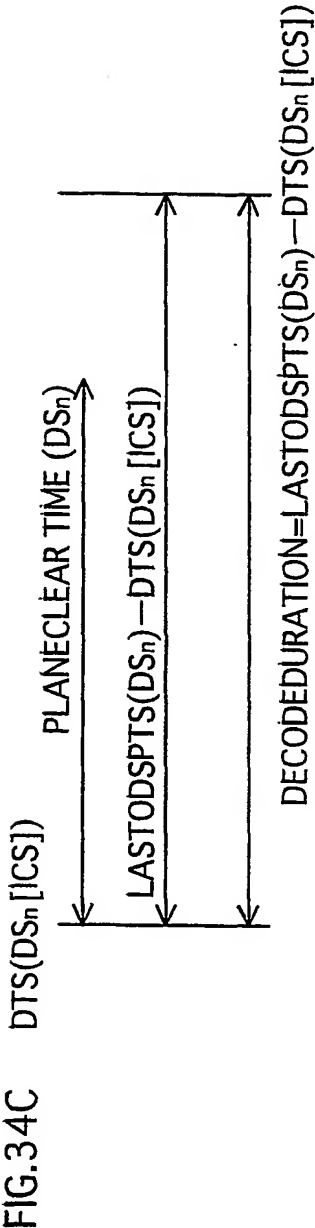
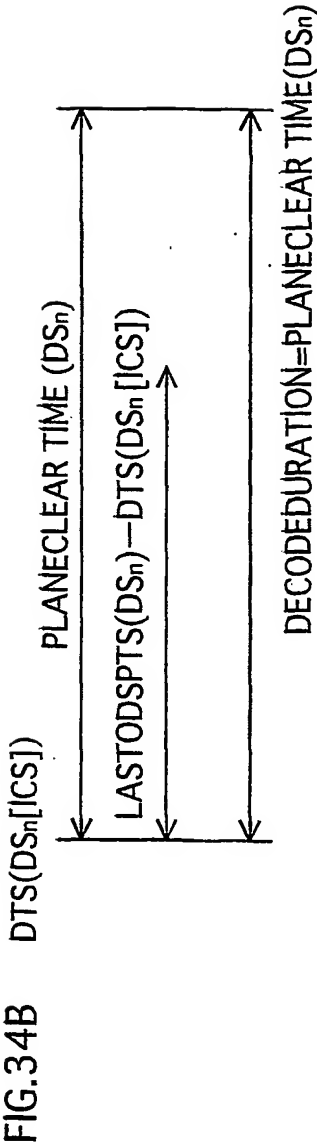


FIG.35A

Where :

$$\text{EFFECTTTD}(DS_n) = \text{ceil} \left(90000 * \sum_{i=0}^{i < \text{ICS.PAGE}[0].\text{IN_EFFECTS.number_of_windows}} \text{SIZE}(DS_n[\text{ICS}].\text{PAGE}[0].\text{IN_EFFECTS.WINDOW}[i]) \right) / (128 * 10^6)$$

FIG.35B

$$\text{PAGEDEFAULTTTD}(DS_n) = \text{ceil} \left(90000 * \sum_{i=0}^{i < \text{ICS.PAGE}[0].\text{number_of_button}} \left(\begin{aligned} & - \text{NBSIZE}(DS_n, DS_n[\text{ICS}].\text{PAGE}[0].\text{button}) \\ & + \text{SBSIZE}(DS_n, DS_n[\text{ICS}].\text{PAGE}[0].\text{default_selected_button_id_ref}) \end{aligned} \right) / (128 * 10^6) \right)$$

FIG.35C

$$\text{PAGENODEFAULTTTD}(DS_n) = \text{ceil} \left(90000 * \sum_{i=0}^{i < \text{ICS.PAGE}[0].\text{number_of_button}} \left(\begin{aligned} & + \text{BSIZE}(DS_n, \text{LRG}\{\text{button} : \text{button} \in DS_n[\text{ICS}].\text{PAGE}[0].\text{button}\}) \\ & - \text{NBSIZE}(DS_n, \text{LRG}\{\text{button} : \text{button} \in DS_n[\text{ICS}].\text{PAGE}[0].\text{button}\}) \end{aligned} \right) / (128 * 10^6) \right)$$

FIG.36

$PTS(DS_n[ICS]) \geq DTS(DS_n[ICS]) + DECODEDURATION(DS_n) + TRANSFERDURATION(DS_n)$

Where :

- TRANSFERDURATION (DS_n) is calculated as follows :
 - if (DS_n[ICS].PAGE[0].IN_EFFECTS.number_of_effects != 0)
 - return EFFECTTD(DS_n)
 - else if(DS_n[ICS].PAGE[0].default_selected_button_id_ref == 0xFFFF)
 - return PAGENODEFAULTTD(DS_n)
 - else
 - return PAGEDEFAULTTD(DS_n)

FIG.37

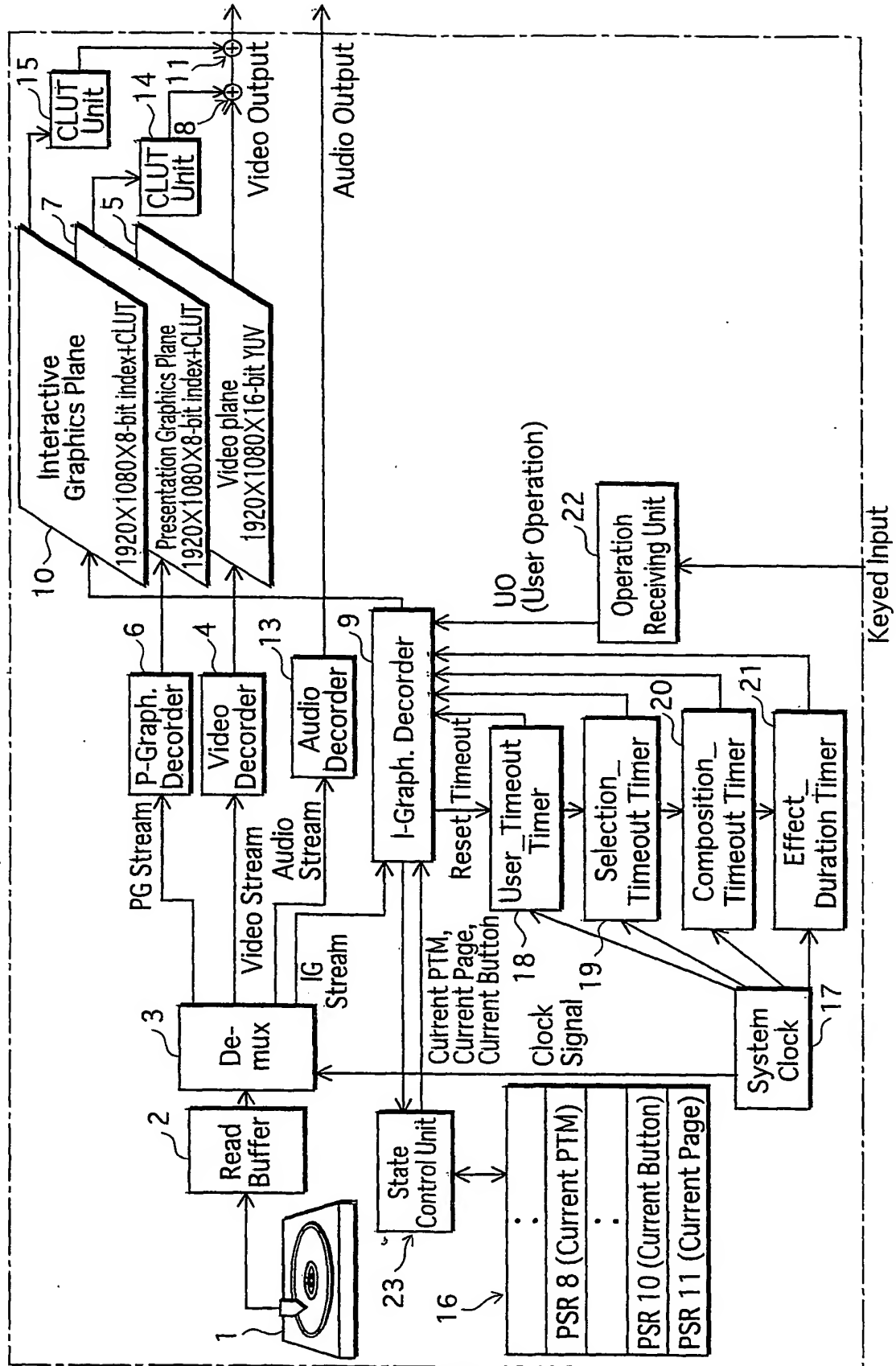


FIG.38A

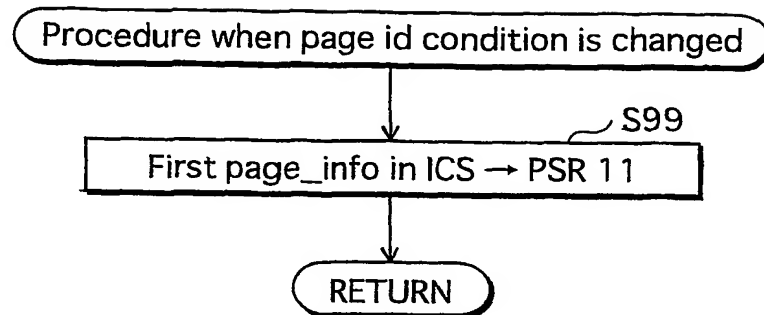


FIG.38B

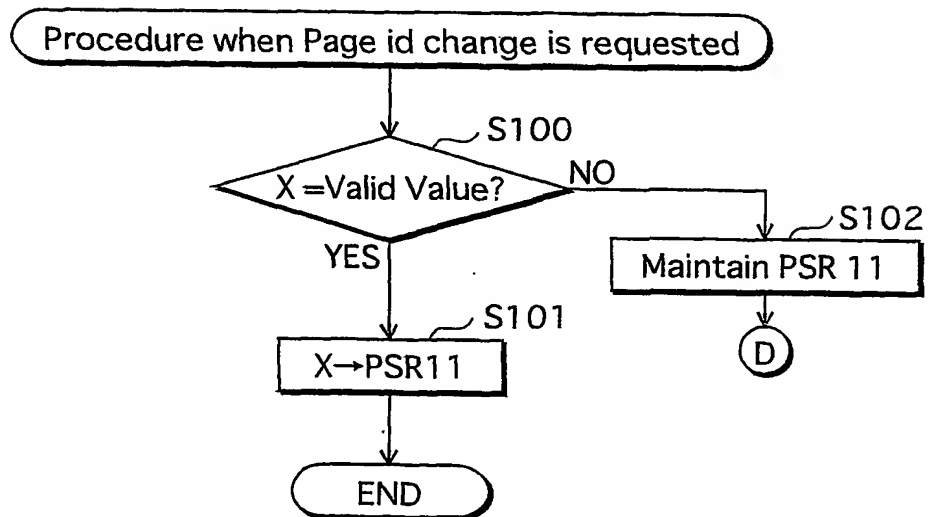


FIG.39A

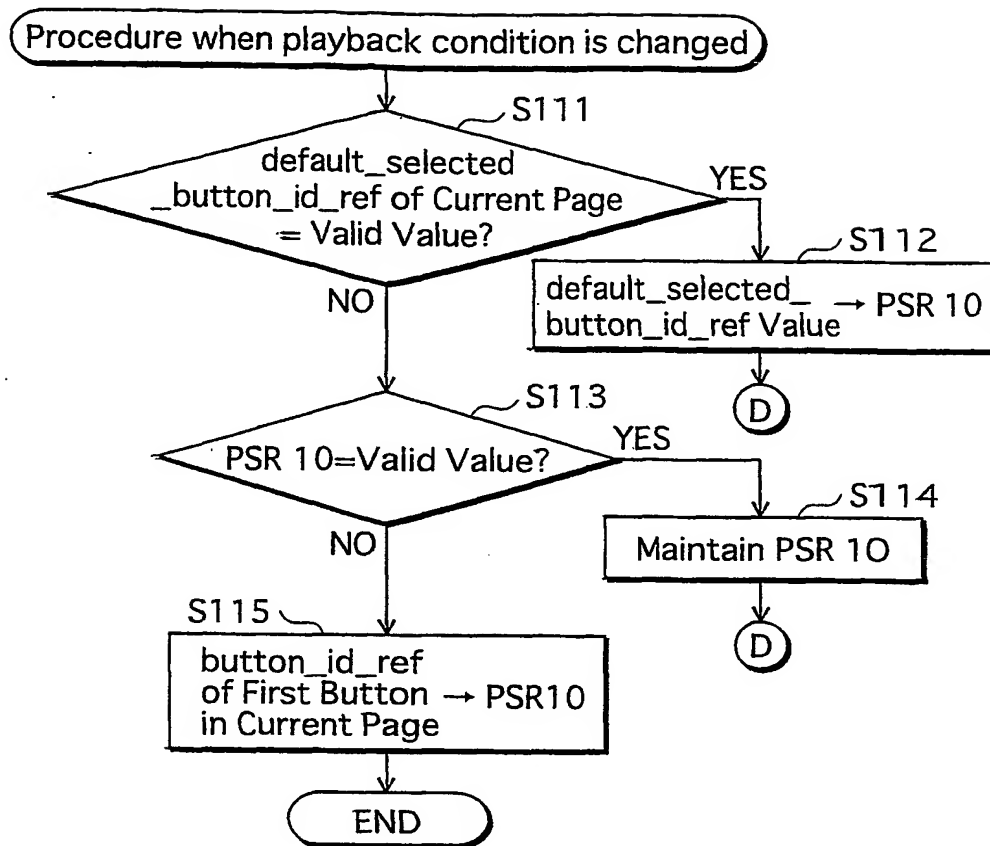


FIG.39B

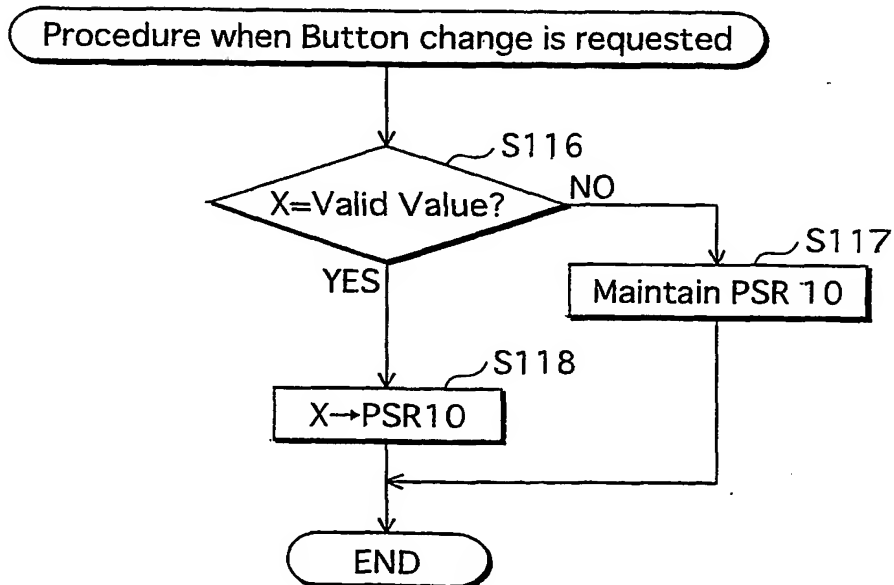
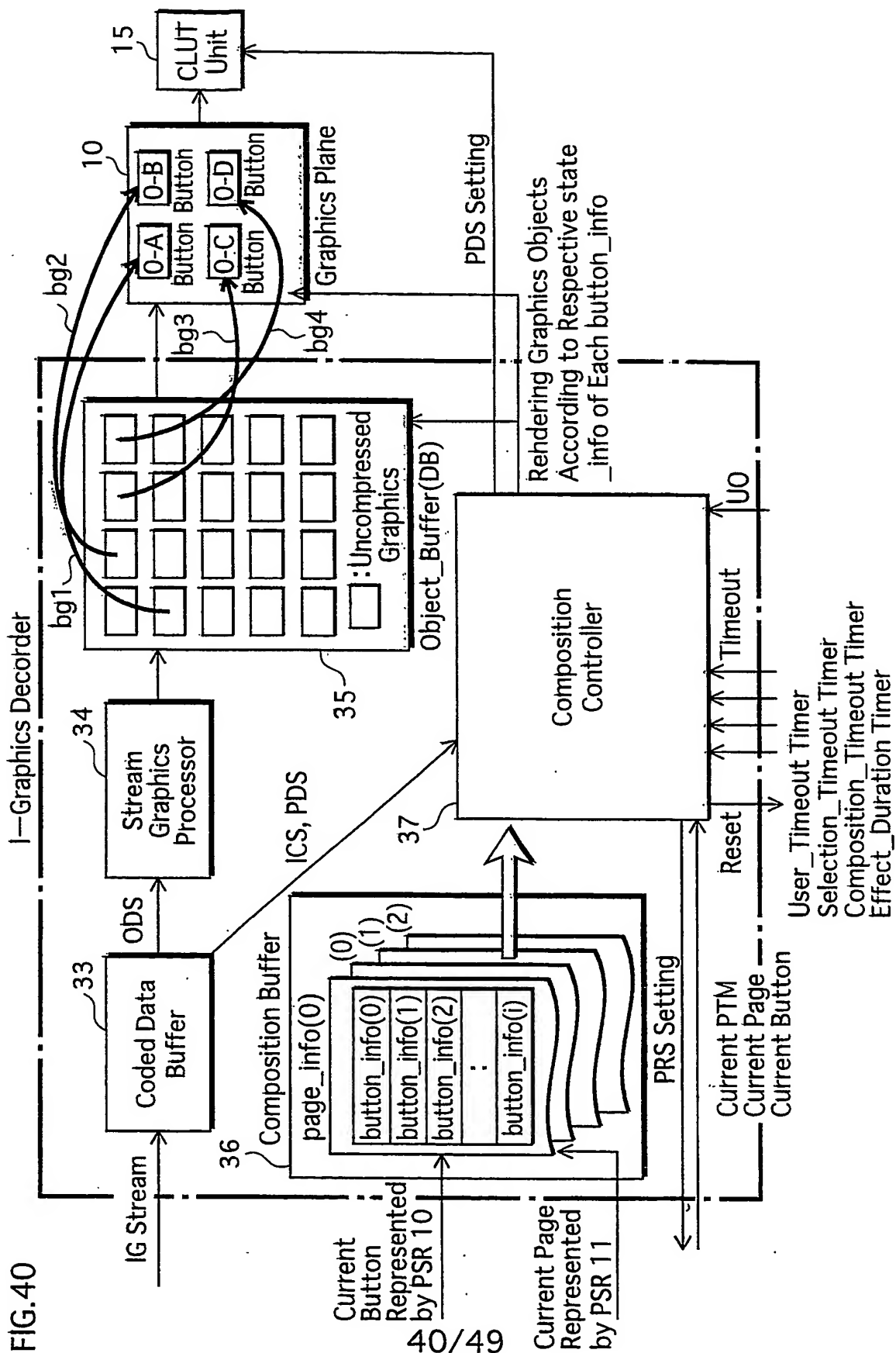


FIG. 40



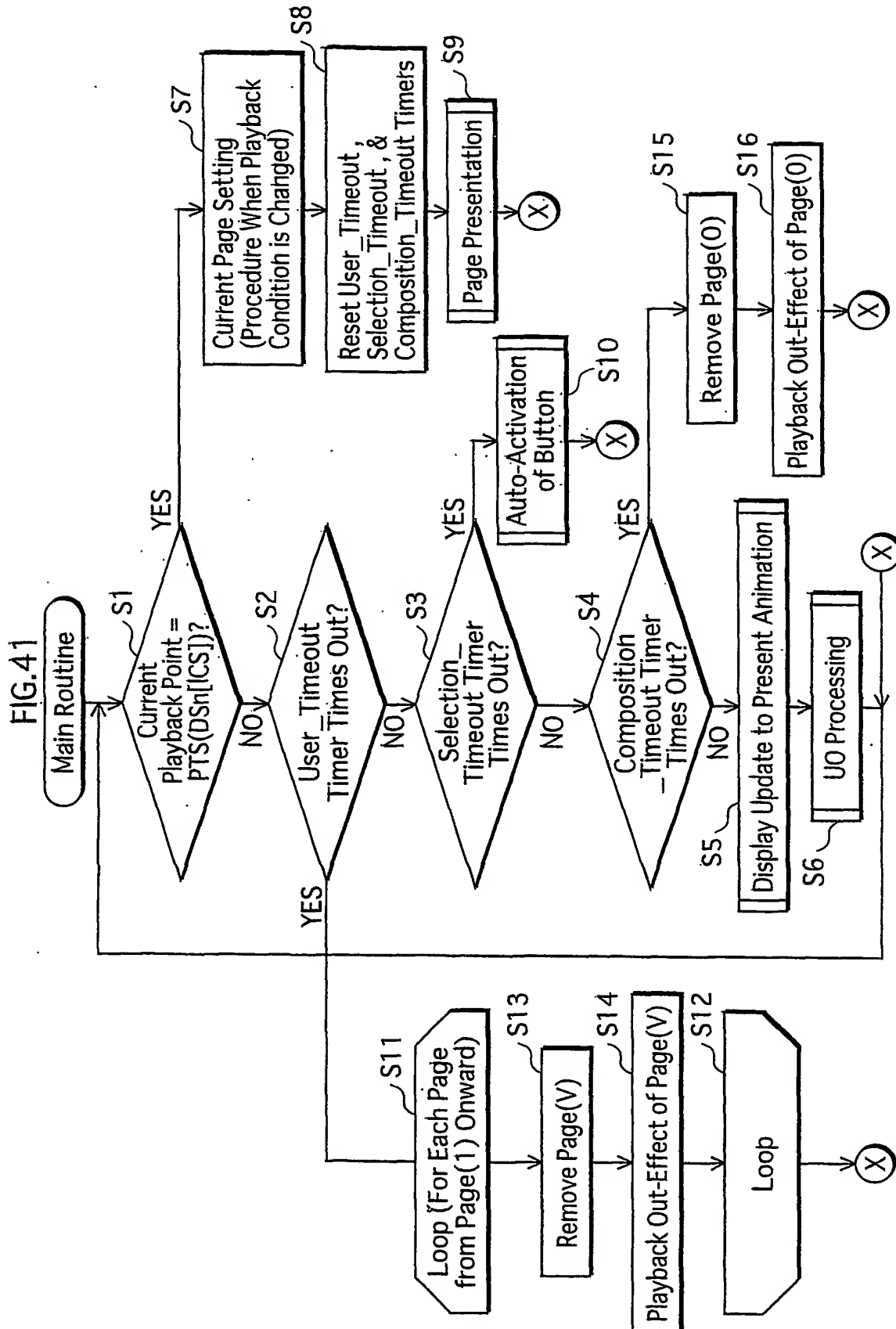


FIG.42

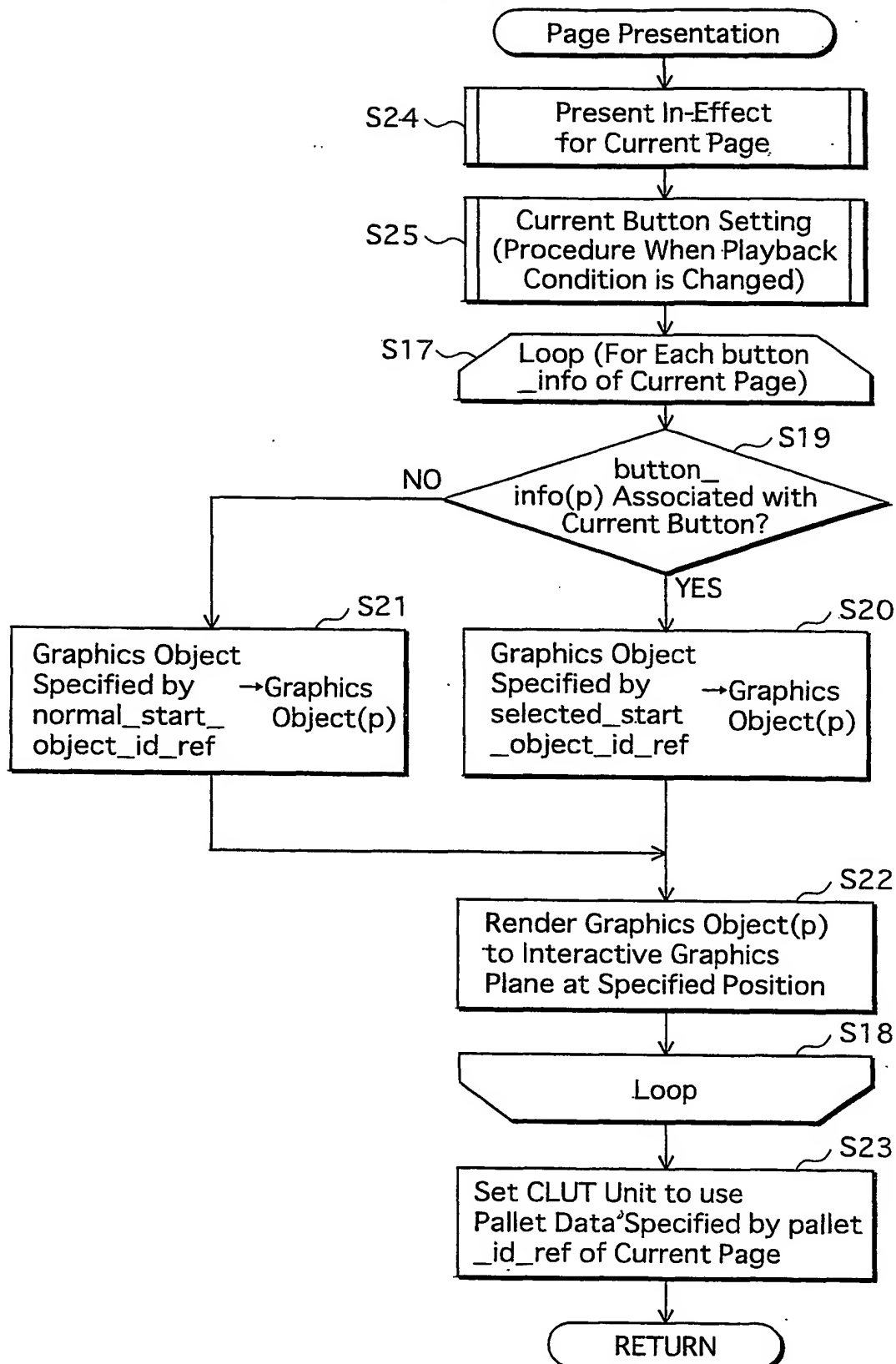


FIG.43

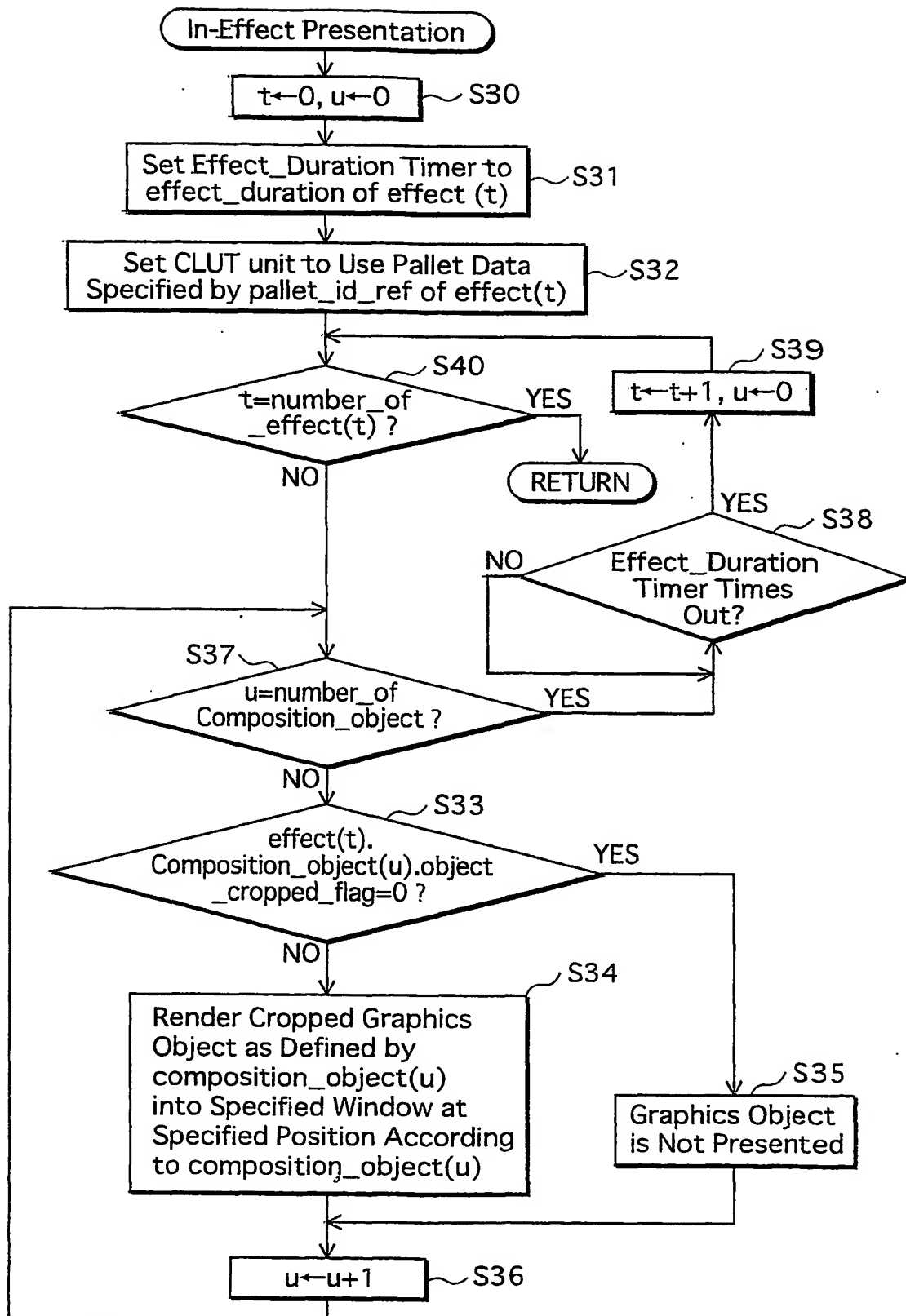


FIG.44

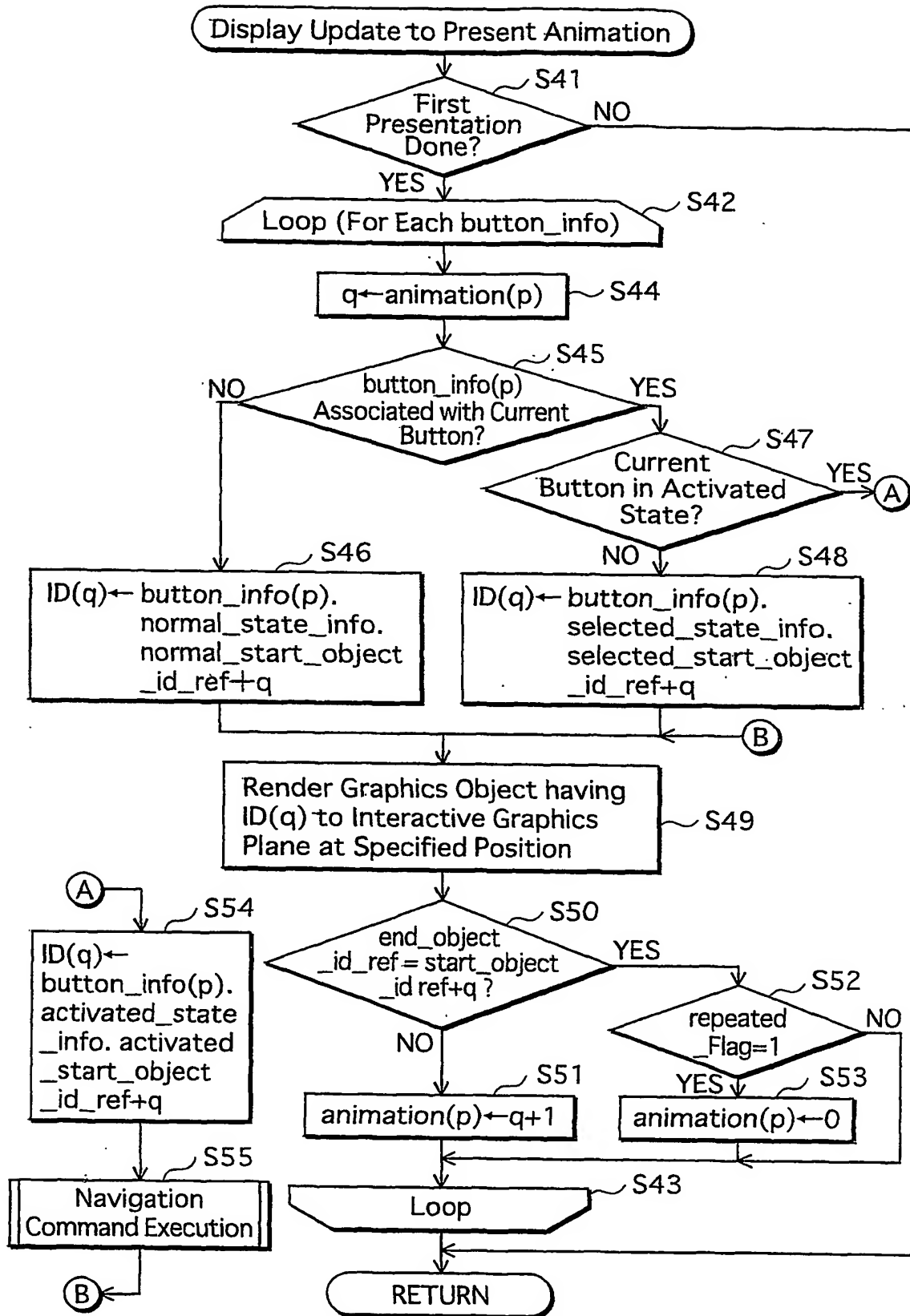


FIG.45

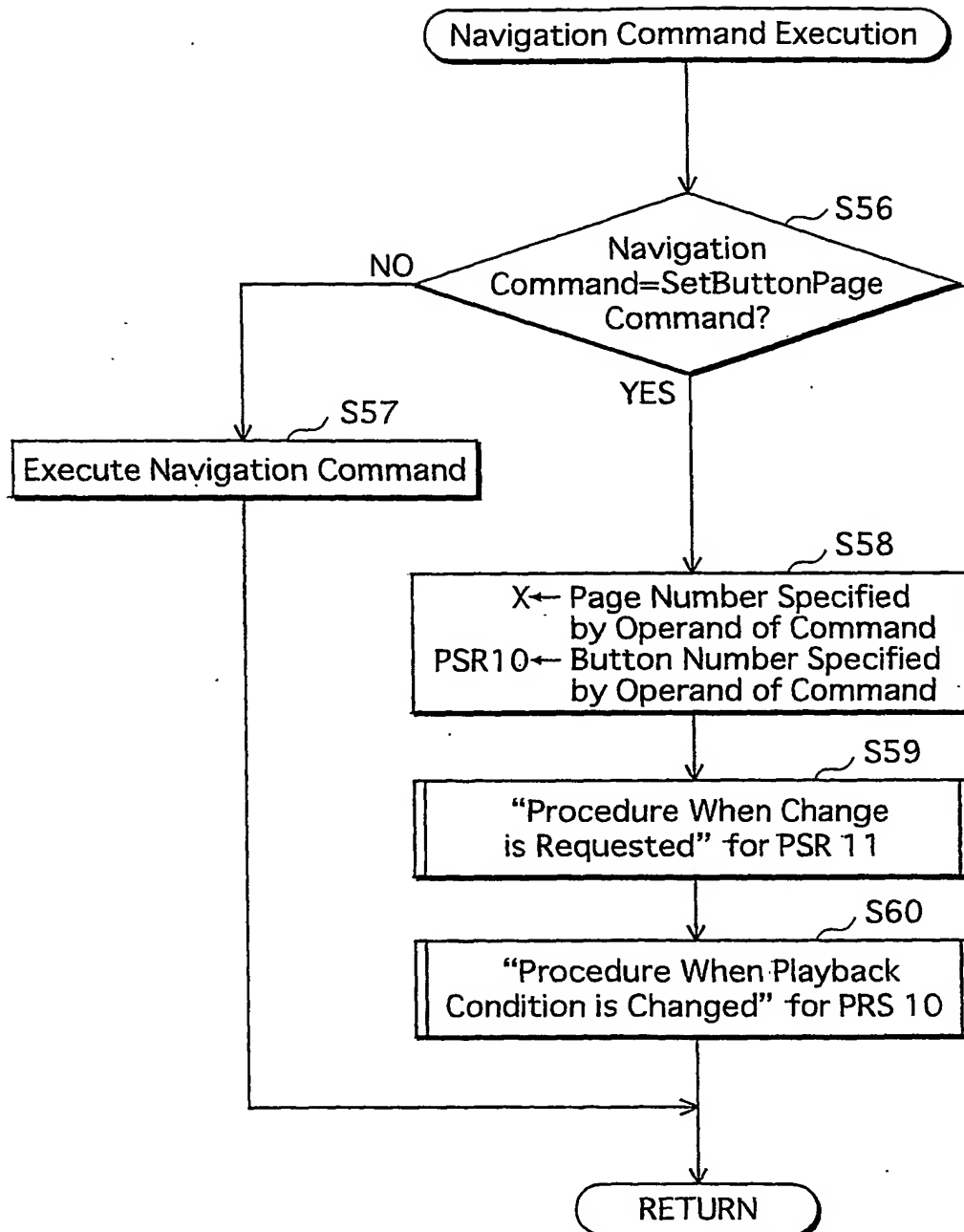


FIG. 46

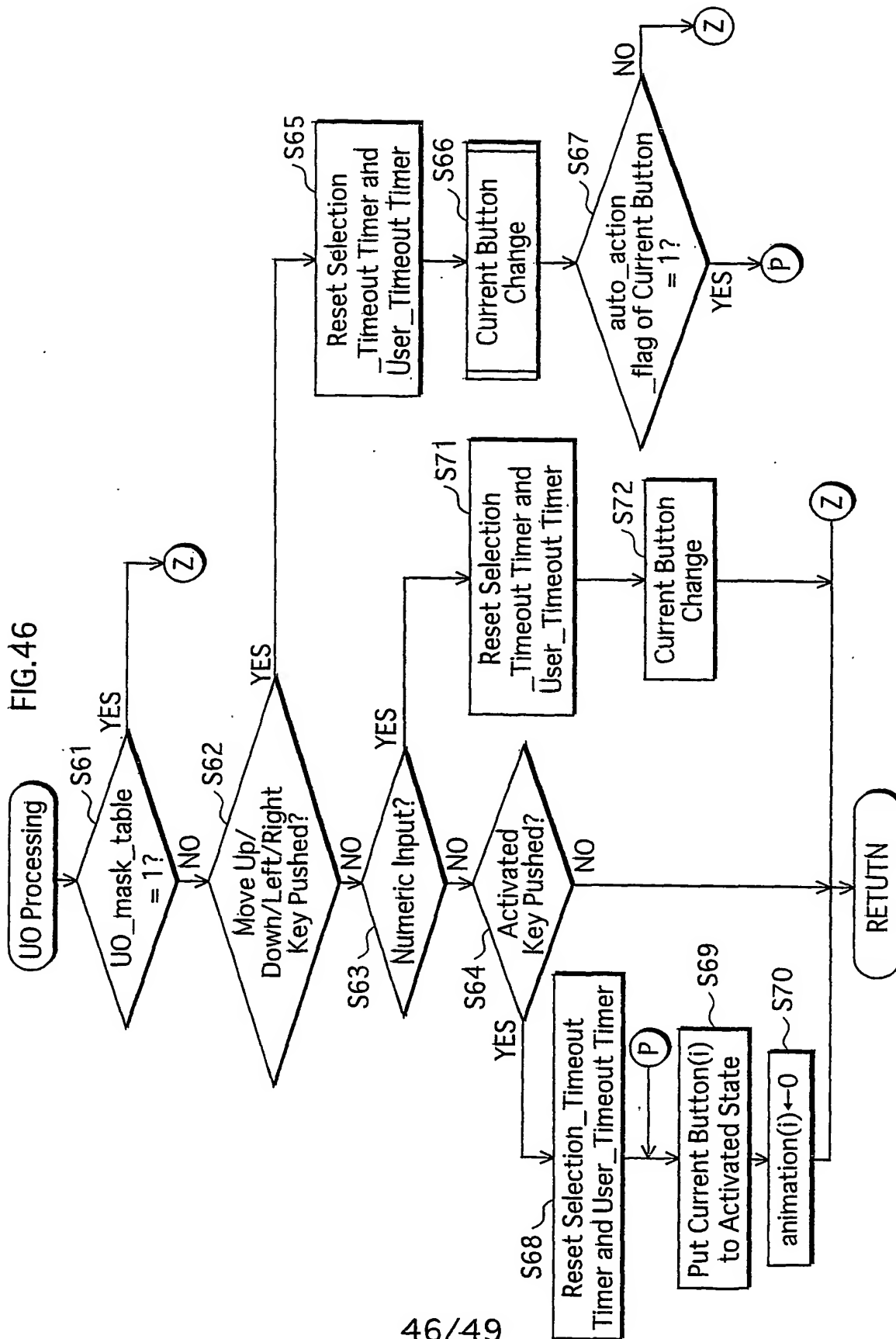


FIG.47

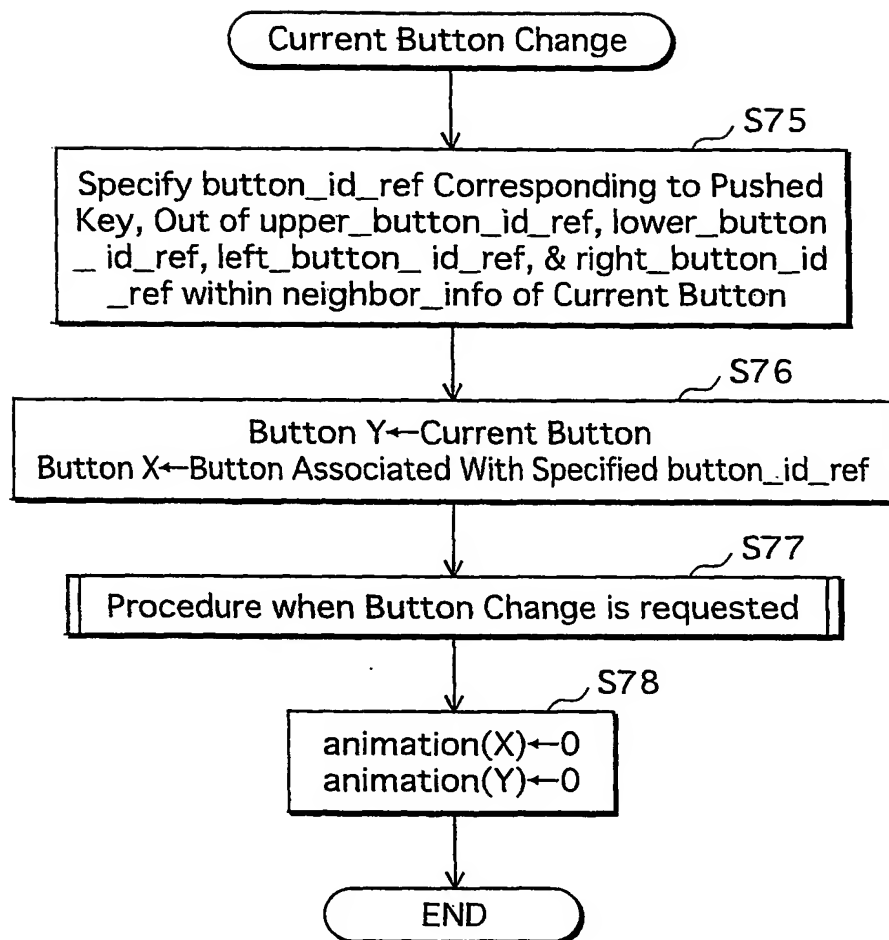


FIG.48

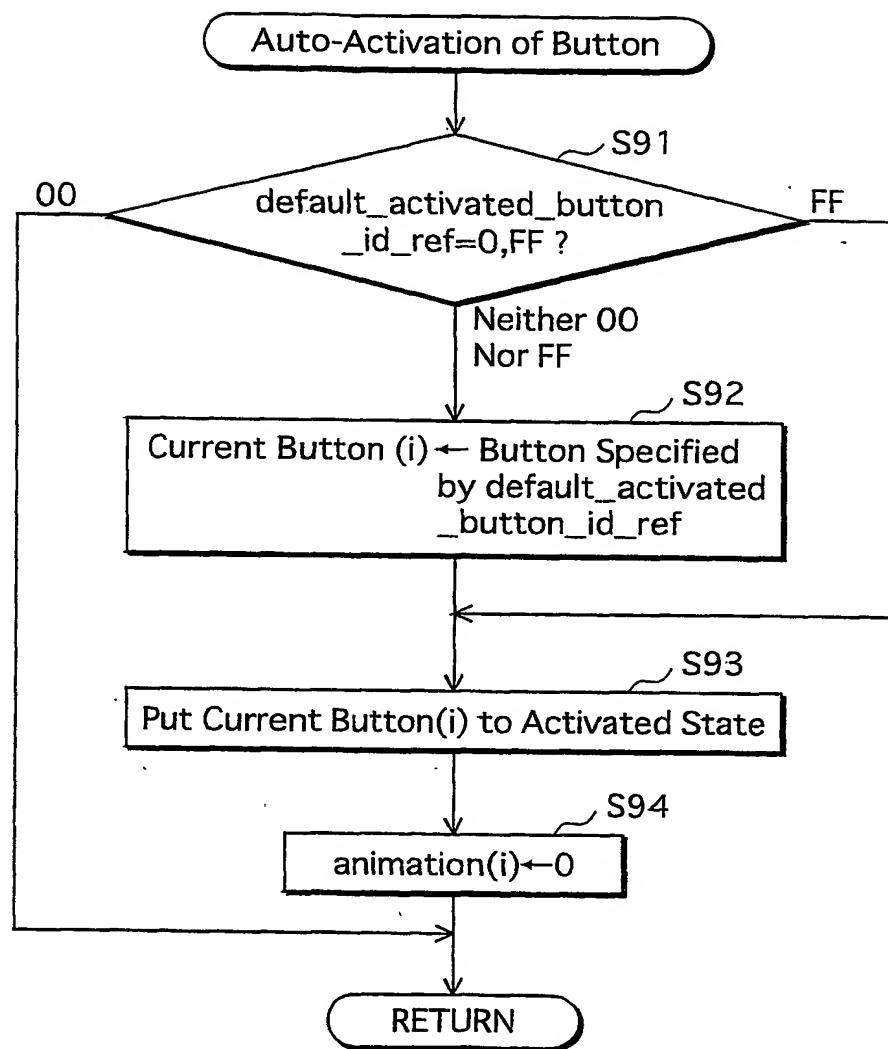


FIG. 49

